

20020917.qrp v02_n681.qrl.20020917

Date: Tue, 17 Sep 2002 19:03:08 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2681

QRP-L Digest 2681

Topics covered in this issue include:

- 1) [135209] RE: Freq Counter
by "Bill Dittrich" <rwddittrich@hotmail.com>
- 2) [135210] RE: Which frequency counter to buy for QRP projects?
by Nick Kennedy <nkennedy@tcainet.net>
- 3) [135211] Re: TS-830S radio
by "John Dorson" <jdorson@worldshare.net>
- 4) [135212] Re: Rock-Mite VXO Mods
by "Bill, N4QA" <n4qa@hotmail.com>
- 5) [135213] Re: Comments on Kenwood TS-830S
by Donn Kuse <casey.jay@gte.net>
- 6) [135214] Re: Which frequency counter to buy for QRP projects?
by "Michael Melland" <w9wis@charter.net>
- 7) [135215] Re: Need schottlky diode SPICE model
by "Joe Everhart" <n2cx@voicenet.com>
- 8) [135216] Fw: Fw: TS-830S
by "Walt Amos" <k8cv@netzero.net>
- 9) [135217] QRP+ Eprom update..parts are on the way.
by ve3ab@mail.mondenet.com
- 10) [135218] Re: Etchant Resist
by Dave Marling <ve1vq@auracom.com>
- 11) [135219] Re: Etchant Resist
by "w8diz" <w8diz@fpqrp.com>
- 12) [135220] Automated VFO drift test of LTC1799
by jacksonharbor@att.net
- 13) [135221] RE: QST on news stands
by "AI2Q Alex" <ai2q@adelphia.net>
- 14) [135222] Re: Etchant Resist
by Dave Marling <ve1vq@auracom.com>
- 15) [135223] Re: Drake tr7 OT
by "E. Roswell" <eroswell@monmouth.com>
- 16) [135224] RE: QST on news stands
by JClinton46@aol.com
- 17) [135225] Re: Stabel VFO's
by "Michael C. Boatright" <ko4wx@mindspring.com>
- 18) [135226] Fw: Fall Classic Exchange
by William R Colbert <w5xe@juno.com>
- 19) [135227] Whooda thunk it...

- by Chris Cartwright <ccart@phideaux.com>
- 20) [135228] RE: Stabel VF0's
by Karl Kanalz <kkanalz@gceecisp.com>
- 21) [135229] Rockmite again
by "Brian" <brian@iquest.net>
- 22) [135230] Re: Crystals, Q, R and Greek Orthodoxy
by "Marty N5NW" <n5nw@n5nw.org>
- 23) [135231] Re: Stabel VF0's
by "John J. McDonough" <wb8rcr@arrl.net>
- 24) [135232] Re: Which frequency counter to buy for QRP projects?
by "Dave Ek" <ekdave@earthlink.net>
- 25) [135233] Re: Which frequency counter to buy for QRP projects?
by "Jason Hissong" <jhisson1@columbus.rr.com>
- 26) [135234] FS: MFJ Cub 40M CW Transceiver
by Dave Redfearn <n4elm@attbi.com>
- 27) [135235] Re: MAG L00PS
by Victor Dively <kg4htt@juno.com>
- 28) [135236] Re: eHam down?
by Ade Weiss W0RSP <adeweiss@sd.value.net>
- 29) [135237] Re: Crystals, Q, R and Greek Orthodoxy
by "Leon Heller" <leon_heller@hotmail.com>
- 30) [135238] Re: TS-830S radio
by "blinn" <blinn@smgazette.com>
- 31) [135239] Re: TS-830S radio
by "blinn" <blinn@smgazette.com>
- 32) [135240] Re: a *Real* Diode?
by Jeff Furman <jfurman@ocs.net>
- 33) [135241] FT-747GX (Display Unit)
by =?iso-8859-1?Q?Jocs=E1n_D=EDaz_L=F3pez?= <jocsan@ctehab.minbas.cu>
- 34) [135242] Re: Drake tr7 OT
by Thom LaCosta <baltimoremd@baltimoremd.com>
- 35) [135243] "Blue Blade" radio TECH Note . . .
by John R Kirby <n3aaz-qrp@juno.com>
- 36) [135244] Re: Rock-Mite VX0 Mods
by "Dave Benson" <nn1g@earthlink.net>
- 37) [135245] FS: SGC 239 Autotuner
by NA1XX@aol.com
- 38) [135246] additional FS by LOT
by N4SKS@cs.com
- 39) [135247] Re: eHam down?
by "Rod N0RC" <rod@n0rc.us>
- 40) [135248] Re: eHam down?
by Lloyd Lachow <llachow@yahoo.com>
- 41) [135249] Michigan QRP Net
by kwike@gdls.com
- 42) [135250] ftp.lehigh.edu - QRP-L Archives?
by Patrick Gardella <pgardella@yahoo.com>
- 43) [135251] Re: ftp.lehigh.edu - QRP-L Archives?

- by Jim Eshleman <jce0@Lehigh.EDU>
- 44) [135252] Re: ftp.lehigh.edu - QRP-L Archives?
by "Rod N0RC" <rod@n0rc.us>
- 45) [135253] FT817 and price
by "Hartwell, Martin E, ALINF" <mehartwell@att.com>
- 46) [135254] UPDATED: the Rock-Mite file
by "Rod N0RC" <rod@n0rc.us>
- 47) [135255] Re: Rock-Mite VX0 Mods
by "Rod N0RC" <rod@n0rc.us>
- 48) [135256] Re: eHam down?
by William R Colbert <w5xe@juno.com>
- 49) [135257] RE: QST on news stands
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 50) [135258] Re: Rock-Mite VX0 Mods
by NB6M@aol.com
- 51) [135259] Re: FT817 and price
by bob evinger <wd9eka@evinger.com>
- 52) [135260] [135127] TS-830S radio
by brewerj@squared.com
- 53) [135261] WTB: Used EZ-Hang or Equivalent Device
by rsstone@juno.com
- 54) [135262] Re: FT817 and price
by "W2WU" <w2wurjj@verizon.net>
- 55) [135263] QRP Power
by "Fancher, Mark (GEAE)" <Mark.Fancher@ae.ge.com>
- 56) [135264] Re: WTB: Used EZ-Hang or Equivalent Device
by Alex <kr1st@amsat.org>
- 57) [135265] QRP+ owners ATTENTION - news about parts/etc
by Scott Gregson <emtech@steadynet.com>
- 58) [135266] Re: Used EZ-Hang or Equivalent Device
by "Bill Jones" <kd7s@psnw.com>
- 59) [135267] Putting up a EFHWA
by Alex <kr1st@amsat.org>
- 60) [135268] [OT] Kenwood TM-201B help needed
by "Chetan Bhargava" <wiz@bhargavaz.net>
- 61) [135269] Re: Porta-Paddle Base--Color
by "Doug Hauff" <dhauff@digitalputty.com>
- 62) [135270] Re: Whooda thunk it...
by "Bob Tellefsen" <n6wg@earthlink.net>
- 63) [135271] Re: Used EZ-Hang or Equivalent Device
by "Dennis W. Farrell" <dfarrell@ridgecrest.ca.us>
- 64) [135272] Re: Whooda thunk it...
by Chris Cartwright <ccart@phideaux.com>
- 65) [135273] Re: QRP+ owners ATTENTION - news about parts/etc
by Scott Gregson <emtech@steadynet.com>
- 66) [135274] Tonight, Tuesday NEQRP SSB Net at 7:30PM EDST on 7.286Mhz +- 5Kh
by "Ronald A Pfeiffer" <Ronald_A_Pfeiffer@raytheon.com>
- 67) [135275] Rock Hunting --- Winter of '02 (or '03)

- by Chuck Adams <k7qo@earthlink.net>
- 68) [135276] OT Vacuum tube mother board
by "Chad Nelson" <galahad@boisecenter.net>
- 69) [135277] Re: QRP+ owners ATTENTION - news about parts/etc
by "Mark Andrews" <KE4IOF@ke4iof.com>
- 70) [135278] Re: Rock Hunting --- Winter of '02 (or '03)
by "Bill Jones" <kd7s@psnw.com>
- 71) [135279] FS: Yaesu 757GX (I'm getting out of the QRO business!)
by "Mark Andrews" <KE4IOF@ke4iof.com>
- 72) [135280] RE: Yaesu 757GX For Sale
by Karl Kanalz <kkanalz@gceecisp.com>
- 73) [135281] Philmore VFO kit
by JLeroy@automationdirect.com
- 74) [135282] Re: Used EZ-Hang or Equivalent Device
by Bruce Muscolino <w6toy@erols.com>
- 75) [135283] A thought
by Bruce Muscolino <w6toy@erols.com>
- 76) [135284] FS: Bird 8431
by Steve Smith <sigcom@juno.com>
- 77) [135285] Magnetic shielding for ham vfo's
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 78) [135286] Re: Magnetic shielding for ham vfo's
by David Hinerman <WD8CIV@worldnet.att.net>
- 79) [135287] Re: A thought
by "Frank Emens" <femens@hiwaay.net>
- 80) [135288] 602 Miixer and other information from Philips site
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 81) [135289] FS: SGC239 Autotuner....Spoken For
by NA1XX@aol.com
- 82) [135290] Re: A thought
by "Rob Matherly" <w0jrm@arrl.net>
- 83) [135291] RE: A thought
by "N8IE" <n8ie@woh.rr.com>
- 84) [135292] Re: OT Vacuum tube mother board
by "Bill, N4QA" <n4qa@hotmail.com>
- 85) [135293] RA3AAE's mixer/doubler
by "Leon Heller" <leon_heller@hotmail.com>
- 86) [135294] SOLD: Yaesu 757GX (I'm getting out of the QRO business!)
by "Mark Andrews" <KE4IOF@ke4iof.com>
- 87) [135295] Re: [A thought]
by <mgoins@usa.net>
- 88) [135296] Re: Philmore VFO kit
by Charlie Panek <charlie_paneke@agilent.com>
- 89) [135297] Re: Magnetic shielding for ham vfo's
by Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
- 90) [135298] Re: QRP Power
by "John J. McDonough" <wb8rcr@arrl.net>
- 91) [135299] Re: A thought

- by "John J. McDonough" <wb8rcr@arrl.net>
- 92) [135300] 'Capacigrad' frequency linear variable capacitors
by "Tracy Markham" <tracy@bytemark.com>
- 93) [135301] Who is sending large file to me?
by "Doc Lindsey K0EVZ" <dock0evz@earthlink.net>
- 94) [135302] 10 turn 100 K pot
by "Jerry Ford" <benlightnd13@mchsi.com>
- 95) [135303] Re: 'Capacigrad' frequency linear variable capacitors
by "George, W5YR" <w5yr@att.net>
- 96) [135304] E H Antennas
by Rick McKee <kc8aon@juno.com>
- 97) [135305] Re: A thought
by "Mike Yetsko" <myetsko@insydesw.com>
- 98) [135306] Re: Magnetic shielding for ham vfo's
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 99) [135307] Fw: 10 turn 100 K pot
by "Jerry Ford" <benlightnd13@mchsi.com>
- 100) [135308] Re: A thought
by William R Colbert <w5xe@juno.com>
- 101) [135309] Fw: Space-Weather-Outlook
by "W2WU" <w2wurjj@verizon.net>
- 102) [135310] Re: Putting up a EFHWA
by Dave Richards <wr3i@earthlink.net>

Date: Mon, 16 Sep 2002 19:04:29 -0400
From: "Bill Dittrich" <rwddittrich@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [135209] RE: Freq Counter
Message-ID: <F39UfKRfcjcmzfoV1qd00011af5@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

you might also try looking on ebay for a used one.
I found a HP 5381A for about \$45 (my bid) from JDS Test Eqpmt. company.
They even had it calibrated just before the auction. Best \$45 I ever spent!

Bill

Join the world s largest e-mail service with MSN Hotmail.
<http://www.hotmail.com>

Date: Mon, 16 Sep 2002 18:09:40 -0500
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'gdguy21@yahoo.com'" <gdguy21@yahoo.com>,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [135210] RE: Which frequency counter to buy for QRP projects?
Message-ID: <01C25DAC.3A4EDC40.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I like the Stinger Singer from the AZ SQRPIons for the price and for fitting into an Altoids tin. It's as cute as can be and has several operating modes. But it doesn't have a display--it gives the frequency in Morse.

I thought I'd use my MFJ-259B for a serious counter. But it has strongly worded warnings about how little RF it takes to destroy the input circuit, so I built an interface circuit before trying it for real. It's great for general purpose, but it doesn't read to the Hz--even in the 1 second gate mode, it truncates that last digit. So not the best for evaluating crystals--my application of the moment.

Counters are pretty plentiful on eBay, if you'll take a couple weeks to gauge the market you can get a pretty good deal. I picked up a nice little Goldstar recently for \$30. Only 100 MHz, but it's fine for what I like now and if I move higher I'll put a prescaler in front of it. The old Heathkits are appealing. If you have the manual, you ought to be able to fix 'em if they break.

72--Nick, WA5BDU

-----Original Message-----

From: H. Sawyer [SMTP:gdguy21@yahoo.com]

Which frequency counter for sale currently is recommended for the homebrewer? A kit would OK.

Howard
K06WL

Date: Mon, 16 Sep 2002 19:09:02 -0400
From: "John Dorson" <jdorson@worldshare.net>

To: <w6toy@erols.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [135211] Re: TS-830S radio
Message-ID: <005201c25dd6\$103e5460\$bb9b8b41@atwork>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Another example of the "BRUCE" know it all.

See what I mean Bruce...

----- Original Message -----

From: "Bruce Muscolino" <w6toy@erols.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, September 16, 2002 6:31 PM
Subject: Re: TS-830S radio

> It is apparently time for some sackcloth and ashes. Mea culpa, mea
> culpa, mea culpa. In my own defense, I have not had the top off my
> TS830 in well over a year. The last time was to replace the 6146's. I
> guess I missed the 12BY7.
>
> 73

Date: Mon, 16 Sep 2002 19:32:16 -0400
From: "Bill, N4QA" <n4qa@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [135212] Re: Rock-Mite VXO Mods
Message-ID: <F144WuLn5U9T3TGJ2TU00024328@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Wayne,
That's great for the carrier gen/local osc but whatcha got in mind for the
rcvr front-end xtal filter...a VXF (variable xtal filter) ? :)

73.
Bill, N4QA
<http://www.qsl.net/n4qa/>

Join the world s largest e-mail service with MSN Hotmail.

<http://www.hotmail.com>

Date: Mon, 16 Sep 2002 19:36:31 -0400
From: Donn Kuse <casey.jay@gte.net>
To: w2agn@w2agn.net
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [135213] Re: Comments on Kenwood TS-830S
Message-ID: <3D866AFE.84121C93@gte.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Oh, heck. Might as well join in add mine--Kenwood TS140S. I've had mine since they came out and it's still going strong!
72/73 Donn, WB4ZWT
67 and still learning

W2AGN wrote:

> On 16 Sep 2002 at 12:53, Charles W3KC wrote:
>
> > The following 3 at the top of my list of "oldies but goodies" (in my order of
> > preference):
> > 1. Yaesu FT101-ZD
> > 2. Kenwood TS830
> > 3. Icom 751A
> > The TenTec Corsair is at the very top though.
> > All are quiet, sensitive, and have excellent filters available.
> > 72 de Chas W3KC
> >
> >
> I have to add one to the list. The FT-102. Plagued with bad relays, once they are replaced, the rig is in a class even better than the FT-1000. Check out
> <http://w2agn.net/ft102.html>.
>
> --
>
> /_ \ /_ \ /_ \ /_ \ /_ \ John L. Sielke
> (W)(2)(A)(G)(N) <http://www.w2agn.net>
> _ / _ / _ / _ / _ / QRPARCI, NJQRP, ARQrp, GQRP, RSGB
> Ex- K3HLU, W7JEF, W4MPC, N4JS

Date: Mon, 16 Sep 2002 18:54:12 -0500
From: "Michael Melland" <w9wis@charter.net>
To: <gdguy21@yahoo.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [135214] Re: Which frequency counter to buy for QRP projects?
Message-ID: <000901c25ddc\$5cd5d0e0\$3f20be42@computer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well..... IMHO there are deals now on eBay that can't be beat. Checked, cleaned and excellent condition Racal 1992 counters for \$249 with a certificate of certified calibration and a warrantee. A very nice counter. Good to 1.3 GHz..... I bought one about a year ago and love it. Available for much less on eBay but often untested....

Also HP 5315 and 5316 counters reasonable.... I've seen them under \$100 and these are only recently discontinued by HP and listed for nearly \$4000.

As with anything electric on eBay try to buy from a good seller (check feedback) and one with a return policy. Lots of great deals out there.....

Mike

Date: Mon, 16 Sep 2002 19:52:47 -0400
From: "Joe Everhart" <n2cx@voicenet.com>
To: "Ian Wilson" <ianmwilson@earthlink.net>
Cc: "qrp-l" <qrp-l@lehigh.edu>, "njqrp" <njqrp@njqrp.org>
Subject: [135215] Re: Need schottlky diode SPICE model
Message-ID: <003001c25ddc\$29657b20\$f12f67cf@n2cxtoy>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ian et al,

Thanks a bunch for the info!

Several others had some simpler models and for my HF diode detector I can hardly tell the difference!

I will save them all but this once *must* be best since it's the most complicated!

BTW, the application is the NJQRP Antenna Analyer. For ease of parts procurement and least fragile parts we are changing over from the 1N34 Ge diodes to Schottky types.

I am doing SPICE sims to get in the ballpark as an aid to the very important breadboard checkout. The sims give me a good starting point prior to final tweaking and allow me to do sanity checks as breadboard checkout continues. Early progress confirms that the Schottkys have much more predictable results. That's what 40-50 years of technology does for ya!

72/73,

Joe E., N2CX

----- Original Message -----

From: Ian Wilson <ianmwilson@earthlink.net>

To: <n2cx@voicenet.com>; 'Low Power Amateur Radio Discussion' <qrp-1@Lehigh.EDU>

Sent: Thursday, September 12, 2002 22:43 PM

Subject: RE: Need schottlky diode SPICE model

> Found this:

>

> *****

> * (c)1999 Thomatronik GmbH *

> * info@thomatronik.de *

> * *

> * Author: Arpad Buermen *

> * Arpad.Burmen@ieee.org *

> *****

>

> .SUBCKT DN5711 1 2

> .MODEL SD D (

> + N=1.68359

> + IS=1.50122E-007

> + RS=31.3769

> + EG=0.69

> + XTI=2

> + CJO=2E-012

> + VJ=0.393705

> + M=0.196045

> + FC=0.5

> + TT=1.4427E-009

```
> + BV=70
> + IBV=0.001
> + KF=0
> + AF=1 )
> .MODEL PND D (
> + N=1.14222
> + IS=1.16495E-014
> + RS=1.06783
> + EG=1.11
> + XTI=3 )
> D1 1 2 SD
> D2 1 2 PND
> .ENDS
>
> On this site: http://www.mobilesemi.com/us/spice/spice-ssp.asp
>
> Haven't tried it. Hope it works for ya.
>
> 72 de ian, k3imw/6
>
>
> > -----Original Message-----
> > From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf
> > Of Joe Everhart
> > Sent: Thursday, September 12, 2002 6:19 PM
> > To: Low Power Amateur Radio Discussion
> > Subject: Need schottky diode SPICE model
> >
> > Gang,
> >
> > Yup, it's for a homebrew project so it is on-topic!
> >
> > Can someone please send me or point me to a site
> > with a good SPICE model for a small signal schottky
> > diode. A 1N5711 model would be ideal, but I can
> > probably work with a model for any common small-signal
> > schottky device.
> >
> > TIA and...
> >
> > 72/73,
> >
> > Joe E., N2CX
> >
>
>
>
>
```

>

Date: Mon, 16 Sep 2002 20:03:03 -0400
From: "Walt Amos" <k8cv@netzero.net>
To: "Posts Qrp-L" <qrp-l@lehigh.edu>
Subject: [135216] Fw: TS-830S
Message-ID: <000c01c25ddd\$9857c640\$49a11342@WALTK8CV>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: "Hartland Smith" <hartsmith@earthlink.net>
To: "Walt Amos K8CV" <k8cv@netzero.net>
Sent: Monday, September 16, 2002 4:32 PM
Subject: Re: Fw: TS-830S

> The last one went for around \$350 on eBay.

>

> H

>

>

>

>

>

>

Introducing NetZero Long Distance
Unlimited Long Distance only \$29.95/ month!
Sign Up Today! www.netzerolongdistance.com

Date: Mon, 16 Sep 2002 18:00:22 +0000
From: ve3ab@mail.mondenet.com
To: qrp-l@lehigh.edu
Subject: [135217] QRP+ Eprom update..parts are on the way.
Message-ID: <200209170015.g8H0FHW22498@mail.mondenet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7BIT

Ok I thought Id better post some info. I was expecting some donated parts..but one person found his cupboard bare..at least for far as the exact part for the project..but..I went to the retail store today ..and I put in an industrial order..minimum buy of 13 parts..(Ill be needing them)..and I got a discount price..even though Im not a business person. So that part of the project is well under control now. The store had more 27C128s than you can shake a stick at..but Im sticking to the OEM part no experiments.

I have one or two QRP++ programmed eproms heading my way now. I will make copies and try them in my QRP+ to see if everything works FB. If yes..then these will be the MASTER Code items..and so everyone with an older code will benefit both by the new code..and the transmit unlock feature which will be in the program.

So by next week Ill be shipping out some new EPROMs for the first 12 or so on my list..and about 12 per week would be about right. I currently have about 22 on my list..73 Earl VE3AB

Date: Mon, 16 Sep 2002 21:37:48 -0300
From: Dave Marling <ve1vq@auracom.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [135218] Re: Etchant Resist
Message-ID: <5.1.0.14.0.200209162113221.0205be40@mail.auracom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Can anyone using the ExpressPCB program to create toner transfer pc boards tell me how to turn off the grid dots and the background gray so they don't appear in the printed image?

Dave
VE1VQ

Date: Mon, 16 Sep 2002 20:51:25 -0400
From: "w8diz" <w8diz@fpqrp.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [135219] Re: Etchant Resist
Message-ID: <00c501c25de4\$59d149d0\$b8cf1d41@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dave, I don't think you can.

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
Clermont County - EM79uf - near Cincinnati; 39:13:05N 84:18:18W
FP#-1 DLQRPAG-1454 ARCI-10226 ARS-781 QRPL-1998 HIqrp-400
<http://kitsandparts.com>

----- Original Message -----

From: "Dave Marling" <ve1vq@auracom.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, September 16, 2002 8:37 PM
Subject: Re: Etchant Resist

Can anyone using the ExpressPCB program to create toner transfer pc boards tell me how to turn off the grid dots and the background gray so they don't appear in the printed image?

Dave
VE1VQ

Date: Tue, 17 Sep 2002 00:54:53 +0000
From: jacksonharbor@att.net
To: qrp-l@lehigh.edu
Subject: [135220] Automated VFO drift test of LTC1799
Message-ID:
<20020917005457.TEPA5139.mtiwmhc21.worldnet.att.net@webmail.worldnet.att.net>

Gang -

I tried hooking up the LTC1799 chip to a 74HC04 buffer - then connected it to an SSS based drift test setup, took a bike ride for about an hour, came back and used the following tabular data:

<<http://jacksonharbor1.home.att.net/ltc1799b.dat>>

to generate a graphical drift plot from Quattro Pro:

<<http://jacksonharbor1.home.att.net/ltc1799b.gif>>

The x axis is minutes from cold start, the y axis is the change from the

starting frequency of the LTC1799 in Hz.

Bottom line: for me the LTC1799 is kinda drifty as well as warbly ;)

Download the third item on the project page for more details on the VFO drift test software and schematic for the SSS based unit I used:

<<http://jacksonharbor.home.att.net/projects.htm>>

Best Regards,

Chuck Olson, WB9KZY
Jackson Harbor Press
<http://jacksonharbor.home.att.net/>

Date: Mon, 16 Sep 2002 20:54:43 -0400
From: "AI2Q Alex" <ai2q@adelphia.net>
To: <w1rfi@arrl.org>
Cc: "QRP-L (E-mail)" <qrp-l@lehigh.edu>
Subject: [135221] RE: QST on news stands
Message-ID: <001101c25de4\$d0a69560\$6401a8c0@alex>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks for the info on QST Ed.

Gosh, do you think the editors will now go back to better (more technical and ham-oriented) sell-lines (headlines) on the cover now that they don't have to appeal to rank novices perusing arrays of newsstand magazines?

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Hare, Ed, W1RFI
Sent: Monday, September 16, 2002 10:01 AM
To: Low Power Amateur Radio Discussion
Subject: RE: QST on news stands

I did check and have learned that QST is no longer sold on the newstands.....

Date: Mon, 16 Sep 2002 22:09:15 -0300
From: Dave Marling <ve1vq@auracom.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [135222] Re: Etchant Resist
Message-ID: <5.1.0.14.0.20020916220729.020a6df8@mail.auracom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

For anyone looking for PCB software you might check out
http://www.pcb-pool.com/html_uk/uk_service_1.htm. The page has links to
various company's offerings.

Dave
VE1VQ

Date: Mon, 16 Sep 2002 21:50:54 -0400
From: "E. Roswell" <eroswell@monmouth.com>
To: qrp-l@lehigh.edu
Subject: [135223] Re: Drake tr7 OT
Message-ID: <3D868A7E.290E6606@monmouth.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Lotsa info on TR-7 at:
<http://www.zerobeat.net/drakelist/>
Under Technical Info, and Mods by G4...
Ed, K2MGM

Date: Mon, 16 Sep 2002 21:53:51 EDT
From: JClinton46@aol.com
To: qrp-l@lehigh.edu
Subject: [135224] RE: QST on news stands
Message-ID: <183.e80b6cf.2ab7e52f@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Interesting timing. I read Ed's comment that QST was no longer sold on the
newstands then picked up the October issue from the mailbox. One of the first

items I read (Correspondence p25) said:

67 years and counting.

First QST in 1935 off the newstand. Many thanks for all the incentives, antennas, rigs and everlasting interest for 67 years.

Dick McIntyre, Basye, Virginia

I hope he is an ARRL member and no longer depending on the newstand.

73

Clint Poss

KE4FDT

Date: Mon, 16 Sep 2002 21:51:29 -0400
From: "Michael C. Boatright" <ko4wx@mindspring.com>
To: qrp-l@lehigh.edu
Subject: [135225] Re: Stabel VF0's
Message-ID: <5.0.2.1.2.20020916214959.022a2710@pop.mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Oops. One slip on the keyboard can confuse the whole meaning sometimes. I meant 9 or 10 thumbs MINUS--that is the more thumbs, the further you are from Jim Kortge Nirvana...

72 de Mike, K04WX
Michael C. Boatright

Date: Mon, 16 Sep 2002 20:00:10 -0600
From: William R Colbert <w5xe@juno.com>
To: qrp-l@lehigh.edu, glowbugs@piobaire.mines.uidaho.edu
Subject: [135226] Fw: Fall Classic Exchange
Message-ID: <20020916.200011.-484621.3.w5xe@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thought I would pass this along to the qrp and glowbug lists as there may be others interested in the upcoming classic exchange. A nice little qso party using the classic equipment of yesteryear, and not necessarily glowbug stuff either as I have transistor stuff that is approaching

45 years old now. Truly in the classic vein.

73
Ray

----- Forwarded message -----
From: holden <holden@NAC.NET>
To: BOATANCHORS@LISTSERV.TEMPE.GOV
Date: Mon, 16 Sep 2002 21:39:36 -0400
Subject: Fall Classic Exchange
Message-ID: <3D8687D8.EAE4938@nac.net>

2002 Fall Classic (& Homebrew) Radio Exchange

The Classic Radio Exchange ("CX") is a contest celebrating the older commercial and homebrew equipment that was the pride of our ham shacks and our bands just a few short decades ago. Our object is to encourage restoration, operation and enjoyment of this older equipment. A "Classic" radio is at least ten years old (age figured from first year of manufacture), but is NOT REQUIRED to participate in the Classic Exchange. YOU MAY USE ANYTHING in the contest although new gear is a distinct scoring liability. You can still work the "great ones" with your new equipment!

The Classic Exchange will run from 1900 UTC September 22 to 0500 UTC September 23, 2002 (3PM EST Sunday to 1 AM EST Monday). Exchange your name, RST, QTH (state US, province for Canada; country for DX), receiver and transmitter type (homebrew send final amp tube or transistor), and other

interesting conversation. The same station may be worked with different equipment combinations on each band and on each mode. Non-participants may be worked for credit.

CW call ~CQ CX;" phone call "CQ Classic Exchange."

Suggested frequencies:

CW: 1.810, 3.545, 7.045, 14.045, 21.135, 28.180 Mc/s

Novice/Tech Plus: 3.695, 7.120, 21.135, 28.180

Mc/s

Phone: 1.890, 3.880, 7.290, 14.280, 21.380, 28.320, 29.000

Mc/s

7.045 and 3.545 are usually the most popular CX frequencies.

Note the addition of 160 meter CW and phone frequencies, and 10M AM frequency!

Visit the CX webpage at <http://qsl.asti.com/CX> for all the latest CX info!

Scoring Multiply total QSL's (all bands) by total number of different receivers plus transmitters (transceivers count as both xmtr and rcvr) plus states/provinces/countries worked on each band and mode. Multiply that total by your CX Multiplier, the total years old of all receivers and transmitters used, three QSO's minimum per unit. For transceiver, multiply age by two. If equipment is homebrew, count it as a minimum of 25 years old unless actual construction date or date of its construction

article (in the case of a "reproduction") is older.

Total QSO's all bands times RCVRs + XMTRs + states/provinces/countries (total each band and mode separately; add totals together) times CX Multiplier:

$$\text{SCORE} = \text{QSO's} \times (\text{Rx} + \text{Tx} + \text{QTH's}) \times \text{CX Mult}$$

Certificates and appropriate memorabilia are awarded every now and then for the highest score, the longest DX. exotic equipment, best excuses and other unusual achievements. Send logs, comments, anecdotes, pictures

to: "Mac" MacAulay at WQ8U@arrl.net or 6235 Wooden Shoe Lane, Centerville, OH 45459-1557. The next Newsletter / Report will be posted

on the CX web site. Paper copies are available upon request.

If you need further info on CX, contact me directly.

Howie WB2AWQ

This list is a public service of the City of Tempe, Arizona

Subscription control -

<http://www.tempe.gov/lists/control.asp?list=BOATANCHORS>

To post - BOATANCHORS@LISTSERV.TEMPE.GOV

Archives - <http://interactive.tempe.gov/archives/BOATANCHORS.html>

Date: Mon, 16 Sep 2002 22:04:18 -0400 (EDT)

From: Chris Cartwright <ccart@phideaux.com>

To: QRPL List <qrp-l@lehigh.edu>

Subject: [135227] Whooda thunk it...

Message-ID: <Pine.LNX.4.33.0209162140150.10884-1000000@dns.phideaux.com.>

MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

OBQrp (parts)

We had a fan tray (3 fans on a frame) replaced in some of the switch gear at work, since one of the fans had stopped spinning. Since two of the fans were good, and it was destined for the dumpster, I "liberated" it for home use. The two good fans will end up in a project somewhere.

With nothing to loose, I decided to gut the fan with a mechanical failure. These are 5" fans, 12V .5A and have a tach lead coming out of them to let the system know they're still spinning. The frame had cracked, and bound up the fan, so out came the cutters to get the plastic apart. Once it was apart, I was amazed! In addition to the normal steel cores and loops of wire, there was a PCB with about 25 parts on it. Two decent sized transistors, an 8 and 14 pin IC, handfull of caps and resistors, and a few diodes for good measure. There's also a hall effect sensor no bigger than a chip cap.

Not that I can find a real use for the parts yet, but a fan seemed an unlikely place to find them. I'm planning on using/rewinding the motor portion to connect to a PC as an anemometer. Not sure how the windings are setup yet. The core is sort of maltese cross shaped, and has four windings, but only three connection points. Across any two wires I get .5 to 2.5vac spinning it by hand, if I short two of them it makes it tough to spin. The fan part has a cylindrical magnet attached that I'm guessing has four poles. Any hints on motor winding would be appreciated, and off list if it seems off topic.

Moral? Collect all the junk you can! You never know what's gonna be usful. OTOH, I do have a barn to keep all my "treasure" in, since the XYL sees my collection a little differently :)

-- Chris Cartwright, Unix Administrator | ccart@phideaux.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Oxford, PA 19363 FM29as --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Mon, 16 Sep 2002 21:12:06 -0500
From: Karl Kanalz <kkanalz@gcecisp.com>
To: "'ko4wx@mindspring.com'" <ko4wx@mindspring.com>,
Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>

Subject: [135228] RE: Stabel VFO's
Message-ID: <01C25DC5.BB575B00@KKANALZ>

Hey Guys!

The word is "STABLE", not "Stabel" ! Jeeze, Louise!

Karl K - W8TIF
McKinney, Texas

We may be amateurs in radio, but how about a little professionalism in spelling?

-----Original Message-----

From: Michael C. Boatright [SMTP:ko4wx@mindspring.com]
Sent: Monday, September 16, 2002 8:51 PM
To: Low Power Amateur Radio Discussion
Subject: Re: Stabel VFO's

Oops. One slip on the keyboard can confuse the whole meaning sometimes. I meant 9 or 10 thumbs MINUS--that is the more thumbs, the further you are from Jim Kortge Nirvana...

72 de Mike, K04WX
Michael C. Boatright

Date: Mon, 16 Sep 2002 21:32:26 -0500
From: "Brian" <brian@iquest.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [135229] Rockmite again
Message-ID: <002d01c25df2\$76dfea50\$70612bd1@bmurrey2K>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Was playing with the Rockmite again tonight, the side tone seems a little bit scratchy and high pitched. I had a nice 30 min QSO with John K4FDK in Frankfort KY (about 300 miles) a little bit ago. Even in the noisy condx tonight the little RX did a great job. I got a honest 589 and John was on his TS870 at 50w and a solid 599.

Any ideas on the sidetone?

=====
KB9BVN/QRP - New Whiteland IN - EM69WN
QRP-ARCI #10223 QRP-L #1540 FIST #5695
FISTS CC #764 - Proud Member ARRL
HEATH HW-9 @ 2W or NORCAL 40A @ 1.3W
INTO INFAMOUS AF4PS ATTIC DIPOLE
SOC #400 AND FLYING PIGS QRP #-57
=====

Date: Mon, 16 Sep 2002 22:29:37 -0400
From: "Marty N5NW" <n5nw@n5nw.org>
To: "QRP" <qrp-l@lehigh.edu>
Subject: [135230] Re: Crystals, Q, R and Greek Orthodoxy
Message-ID: <NGBBIMJEELMGMFPMHEAGEEBKCCAA.n5nw@n5nw.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Although my background is not Greek, I am Eastern Orthodox. I can't speak to Q or R, but can talk about the acoustics inside the nave of the Orthodox Church. The traditional design involves circular spaces with full domes. The Sanctuary (where the Altar stands) is traditionally a half-dome. Most Orthodox churches do not have musical instrumentation of any type, and the most traditional will not have pews or drapes or carpet, but the walls will be filled with painted iconography. Most Orthodox churches do have pews and carpet, however, and the Greeks are very fond of their pipe organ music. It varies.

I found a similar acoustical situation entering and exiting the Woodley Park/National Zoo stop on the Metro in DC. The escalators were housed in an arched path to the platform, and I could hear very clearly every word being said on the opposite escalator -- it traveled along the arched concrete surface, rather than being reflected at an odd angle. It was a bit disconcerting at first.

The accoustics inside a parish whose roots lie in the Russian Orthodox Church will be much different -- the buildings are more, well, boxy, with towers topped by the famous onion domes.

Most mosques have the same acoustics as traditional Orthodox Churches, as the mosques were generally "adapted" from existing Orthodox Churches

throughout the past 1,000 or so years. The designs were copied (if the actual buildings themselves were not occupied!).

ObQRP -- I suspect external speaker quality would improve with a curved surface (like a sideways dome) in back, rather than the traditional speaker box.

--

73 de N5NW/8 (Marty)
Bellbrook, Ohio

Date: Mon, 16 Sep 2002 22:41:22 -0400
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Cc: <kkanalz@gcecis.com>
Subject: [135231] Re: Stabel VFO's
Message-ID: <000d01c25df3\$bcde0c20\$010044c0@chartermi.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

And here I just figured it was the German spelling!

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "Karl Kanalz" <kkanalz@gcecis.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, September 16, 2002 10:12 PM
Subject: RE: Stabel VFO's

> Hey Guys!
>
> The word is "STABLE", not "Stabel" ! Jeeze, Louise!
>
> Karl K - W8TIF
> McKinney, Texas

Date: Mon, 16 Sep 2002 21:12:26 -0600
From: "Dave Ek" <ekdave@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [135232] Re: Which frequency counter to buy for QRP projects?
Message-ID: <003401c25df8\$0d632870\$8989fea9@oldman>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

At the risk of stating the obvious, a general coverage receiver works quite well as a frequency counter if it has a digital display of sufficient accuracy (like my 706MKIIG). I just use a short piece of wire as an antenna and lay it next to the circuit being tested (NOT connected to the circuit) and tune the main rig in CW mode until I find the signal, then zero-beat it. I tuned up my Sierra this way (among a lot of other little qrp rigs).

'Course, this doesn't technique doesn't work if you don't have a suitable receiver...

73 de Dave NK0E

Date: Mon, 16 Sep 2002 23:28:14 -0400
From: "Jason Hissong" <jhisson1@columbus.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [135233] Re: Which frequency counter to buy for QRP projects?
Message-ID: <002401c25dfa\$41de2580\$6e01a8c0@procyon>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Don't know if this is a good one or not:

<http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=1766704944&rd=1>

HP 5314A

Jason Hissong - N8XE
<http://www.qsl.net/n8xe>
K2# 1270
FISTS #6338
FPQRP #443
ARLHS #661

Date: Mon, 16 Sep 2002 22:09:33 -0500
From: Dave Redfearn <n4elm@attbi.com>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [135234] FS: MFJ Cub 40M CW Transceiver
Message-ID: <3D869CED.6DF52F03@attbi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For Sale:

MFJ Cub CW transceiver

40 Meters

Built and working well, has a BNC connector added.
No manual or box.

\$75.00 OBO + shipping

73 - Dave

=====
Dave Redfearn, ARS N4ELM, McKinney, TX
Email: n4elm@NOJUNKattbi.com (to reply, remove NOJUNK)
QRL? de N4ELM/qrp

Date: Mon, 16 Sep 2002 04:38:35 -0400
From: Victor Dively <kg4htt@juno.com>
To: qrp-1@lehigh.edu
Subject: [135235] Re: MAG LOOPS
Message-ID: <20020916.043911.-180105.0.kg4htt@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Jack:

Hello. I built and used a 20 X 7 loop made from 1/2 inch copper pipe. I had mounted it in the vertical plane, 20 feet wide, fed in the middle of the bottom, height was 31 feet at the feedpoint. It fit across the width of my attic. I used it for 10-20M and it worked fine for me for DX from

the East coast here to Europe and South America... I used an old MFJ versa tuner II and fed it with ladder line. At the freqs I was using it for, it wasn't a magnetic loop, (roughly a full wavelength for 15M, more or less for the others...) so I don't know how it would perform if you were using it on the lower bands.... But for 10 - 20M I was happy with its performance. I modeled your 16 x 7 (assuming the same orientation) with EZNEC and you have easy matches with 450 ohm ladder line, and the gain looks very much like a dipole for those bands. That was my experience also... but I didn't use it for the lower bands.

Vic KG4HTT

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<http://dl.www.juno.com/get/web/>.

Date: Mon, 16 Sep 2002 23:56:50 -0500

From: Ade Weiss W0RSP <adeweiss@sd.value.net>

To: qrp-l@lehigh.edu

Subject: [135236] Re: eHam down?

Message-ID: <CAGBUQNLHACA75D9GFUORPB0DBHDA.3d86b612@aweiss>

MIME-Version: 1.0

Content-Type: text/plain; charset="windows-1252"

Seems that something is amiss -- I can't make it to eham.net either.

The DX-spots page is my usual targetm although a lot of other interesting stuff, including the "Classifieds" which has a "QRP" search. Seems a lot of QRP'rs do the "FS" thing there.

72, Ade

Date: Tue, 17 Sep 2002 06:08:59 +0000

From: "Leon Heller" <leon_heller@hotmail.com>

To: n5nw@n5nw.org, qrp-l@lehigh.edu

Subject: [135237] Re: Crystals, Q, R and Greek Orthodoxy

Message-ID: <F84Tm5BVeeog28x0dgE00013889@hotmail.com>

Mime-Version: 1.0

Content-Type: text/plain; format=flowed

>From: "Marty N5NW" <n5nw@n5nw.org>
>Reply-To: n5nw@n5nw.org
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: Re: Crystals, Q, R and Greek Orthodoxy
>Date: Mon, 16 Sep 2002 22:29:37 -0400
>
>Although my background is not Greek, I am Eastern Orthodox. I can't speak
>to Q or R, but can talk about the acoustics inside the nave of the Orthodox
>Church. The traditional design involves circular spaces with full domes.
>The Sanctuary (where the Altar stands) is traditionally a half-dome

St. Paul's Cathedral, London, designed by Sir Christopher Wren, has its famous 'Whispering Gallery' around the base of the dome.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1424 14790
Email:leon_heller@hotmail.com
My web page: http://www.geocities.com/leon_heller
My low-cost Altera Flex design kit: <http://www.leonheller.com>

Send and receive Hotmail on your mobile device: <http://mobile.msn.com>

Date: Mon, 16 Sep 2002 20:31:38 -0700
From: "blinn" <blinn@smgazette.com>
To: <k5di@zianet.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [135238] Re: TS-830S radio
Message-ID: <000301c25e17\$d21140c0\$6c8aa242@blinn>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Whoa! Wait a minute, Karl. You apparently have no experience with the GREAT 830! I have one set up on my operating desk along side the 570 and would never dream of parting with it. Superb audio quality, on the air reports are always good. And, although you have to "Dip and Peak" you still don't have to have an EE to operate it. (I even know how.)

You can mess with Bruce and John all you want, but DON'T mess with my 830!

Keep on a grinnin'

Regards, Bill - WA7TQK

Outgoing mail is certified Virus Free.

Checked by AVG anti-virus system (<http://www.grisoft.com>).

Version: 6.0.381 / Virus Database: 214 - Release Date: 8/2/02

--

Date: Mon, 16 Sep 2002 20:31:52 -0700

From: "blinn" <blinn@smgazette.com>

To: <w6toy@erols.com>,

"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [135239] Re: TS-830S radio

Message-ID: <000401c25e17\$d2eb7420\$6c8aa242@blinn>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Bruce, yes the 830 uses a tube driver plus two finals.... mine does anyway.

Bill

Outgoing mail is certified Virus Free.

Checked by AVG anti-virus system (<http://www.grisoft.com>).

Version: 6.0.381 / Virus Database: 214 - Release Date: 8/2/02

--

Date: Tue, 17 Sep 2002 00:08:30 -0700 (PDT)
From: Jeff Furman <jfurman@ocs.net>
To: Leon Heller <leon_heller@hotmail.com>, qrp-1@lehigh.edu
Subject: [135240] Re: a *Real* Diode?
Message-ID: <Pine.LNX.4.21.0209162357550.19016-100000@ocs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Leon, you probably want to look at the v-i curve of the galena diode as you explore the surface with the catwhisker. You likely know of a very simple curve tracer circuit using a filament transformer for a low frequency ac supply and a series current sampling resistor: the common connection between the diode and the resistor is the scope common or ground; the horizontal connects to the other side of the diode; the vertical connects to the other side of the resistor; the transformer secondary floats. This yields a i vs. v curve in at least two quadrants.
73, Jeff AD6MX

Date: Mon, 16 Sep 2002 08:20:56 -0400
From: =?iso-8859-1?Q?Jocs=E1n_D=EDaz_L=F3pez?= <jocsan@ctehab.minbas.cu>
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>
Subject: [135241] FT-747GX (Display Unit)
Message-ID: <3098232F8EC9D51183ED0050DA0804860A78@CXCTEHAB>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Hello everyone,

My 747 was hit by a lightning! I had connected the ppt line and the audio lines from the computer to the rig and I think that the lightning "entered" through the ptt line and reached the processor.
I am looking for a replacement (source) for the display unit where is located the processor. This processor is 80 pins long, so it is impossible to replace. In my opinion I must replace the whole plaque. Any help or idea?

Tnx!

73 & DX, C03J0 - Joc

Date: Tue, 17 Sep 2002 05:15:51 -0400 (EDT)
From: Thom LaCosta <baltimoremd@baltimoremd.com>
To: "E. Roswell" <eroswell@monmouth.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [135242] Re: Drake tr7 OT
Message-ID: <20020917051459.J91107-100000@unix1.vhost.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 16 Sep 2002, E. Roswell wrote:

> Lotsa info on TR-7 at:
> <http://www.zerobeat.net/drakelist/>
> Under Technical Info, and Mods by G4...
> Ed, K2MGM

And...there's also the drakelist....lots of good information for drake owners...the site tells ya how to subscribe.

73,
Thom

baltimoremd@baltimoremd.com
<http://www.baltimoremd.com/>
<http://www.baltimorehon.com/>
<http://www.zerobeat.net>

Thom LaCosta K3HRN Webmaster
Baltimore's Home Page
Home of the Baltimore Lexicon
Home of The QRP Web Ring
and Drake Mail List Pages

Date: Tue, 17 Sep 2002 06:42:05 -0400
From: John R Kirby <n3aaz-qrp@juno.com>
To: qrp-1@lehigh.edu
Subject: [135243] "Blue Blade" radio TECH Note . . .
Message-ID: <20020917.064212.-184363.0.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

You may not find a sweet spot
on the 'double edge' detector UNTIL
you rust the 'blade.

Sand and table salt the blade then
let rust collect. My detector did not come from a fox hole.

I can not remember what I used for a catwhisker . . .
maybe a straight pin,
maybe a hair clip to pinch the blade
but I remember mom said the cat ran off the next day.

John
N3AAZ
FM 19 xa

From: "Rex Harper" <w1rex@megalink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Date: Mon, 16 Sep 2002 09:45:27 -0400
Subject: Gillette "Blue Blade" radios....

QRP Gangué,

For those who are interested in the ULTRA simple homebrew radio thread,
point your search engines to "foxhole radio" that is what it was called during "The war to end all wars" by the GIs who were issued blue blade razors (and had access to high impedance phones). Google points to over a hundred references to foxhole radios. I checked out the first entry and found the "complete" schematic.

"Gentlemen...start your engines!"

W1REX Rex Harper "The Tinman"

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<http://dl.www.juno.com/get/web/>.

Date: Tue, 17 Sep 2002 06:48:55 -0700
From: "Dave Benson" <nn1g@earthlink.net>
To: <NB6M@aol.com>, <qrp-1@lehigh.edu>
Subject: [135244] Re: Rock-Mite VX0 Mods
Message-ID: <002101c25e50\$f88bc7a0\$501a3841@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Wayne-

As Bill, N4QA, points out, the front-end filter is fairly narrow. In the 'stock' configuration, that'll limit how far away from the design frequency you can pull the VXO before the Rx gain is down. An inductance (22 uH) across D1/D2 will broaden out the filter response to VXO-width. [It has some detrimental effect on filter ultimate rejection, i.e., may let more SWBC energy get to the mixer.]

We'll all look forward to the results. :-)

73- Dave

Dave Benson, K1SWL

dave@smallwonderlabs.com

<http://smallwonderlabs.com>

Phone/fax 860-537-8031

>>-----Original Message-----

From: NB6M@aol.com <NB6M@aol.com>

Subject: Rock-Mite VXO Mods

Notwithstanding the fact that I haven't laid hands on a Rock-Mite yet, I have been experimenting with changing the oscillator in the little rig to a VXO with a substantial frequency range.
<<

Date: Tue, 17 Sep 2002 07:12:48 EDT

From: NA1XX@aol.com

To: qrp-l@lehigh.edu

Subject: [135245] FS: SGC 239 Autotuner

Message-ID: <113.1774a5fe.2ab86830@aol.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

For Sale, excess to my needs, SGC 239 automatic antenna tuner, excellent shape (a few scratches on back of aluminum enclosure), performs as specified. Comes with Rubbermaid enclosure and connectors, as recommended in the manual for weather protection. Never left outdoors. I purchased the tuner this summer for use on my boat, ended up selling the boat! \$200 shipped via US Postal Service. Payment via postal money order.
Thanks for the bandwidth.

72

NA1XX

Mike Connelly

North Weymouth MA

QRP-L # 1588

"When All Else Fails ... CW."

Date: Tue, 17 Sep 2002 08:01:35 EDT
From: N4SKS@cs.com
To: qrp-l@lehigh.edu
Subject: [135246] additional FS by LOT
Message-ID: <1bc.d82c1e6.2ab8739f@cs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Would there be anyone interested in purchasing an entire lot of QRP rigs and stuff. I am not trying to be mean or upsetting to the group but would rather not sell each piece separately. If someone was serious in buying the entire lot (Transceivers ,receivers ,kits ,parts) I could send a list and you could make an offer. I don't want to send out 50 list , please i'm sorry .

Les K4NK

Date: Tue, 17 Sep 2002 06:22:14 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: <adeweiss@sd.value.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [135247] Re: eHam down?
Message-ID: <021201c25e44\$dbbaba70\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

I just checked, as of 06:20 MDT 17-Sep-2002 everything is fine from here.

73, Rod N0RC

----- Original Message -----

From: "Ade Weiss W0RSP" <adeweiss@sd.value.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Monday, September 16, 2002 10:56 PM

Subject: Re: eHam down?

> Seems that something is amiss -- I can't make it to eham.net either.

>

> The DX-spots page is my usual targetm although a lot of other

> interesting stuff, including the "Classifieds" which has a "QRP"

> search. Seems a lot of QRP'rs do the "FS" thing there.

>

> 72, Ade

>

>

>

Date: Tue, 17 Sep 2002 05:24:23 -0700 (PDT)

From: Lloyd Lachow <llachow@yahoo.com>

To: QRP-l <qrp-l@lehigh.edu>

Subject: [135248] Re: eHam down?

Message-ID: <20020917122423.79725.qmail@web10007.mail.yahoo.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

I went right to eham.net this am, zoom! no probs.

=====

73, Lloyd, K3ESE

K1 # 00379 - ARRL

ARS #1301 - FISTS #8774

FPqrp #476 - QRParci #11147

QRP-L #2415 - SOC #530

HGT #6'1 - Wgt #190 - BT #B-

Do you Yahoo!?

Yahoo! News - Today's headlines

<http://news.yahoo.com>

Date: Tue, 17 Sep 2002 08:36:29 -0400
From: kwike@gdls.com
To: qrp-l@lehigh.edu
Subject: [135249] Michigan QRP Net
Message-ID: <0FF489F079.4472A643-ON85256C37.00451C3A@gdls.com>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

Tuesday nights.
9:00 PM Eastern time.
3.535 MHz.
All hams welcome.
Ed AB8DF

Date: Tue, 17 Sep 2002 06:06:03 -0700 (PDT)
From: Patrick Gardella <pgardella@yahoo.com>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [135250] ftp.lehigh.edu - QRP-L Archives?
Message-ID: <20020917130603.87342.qmail@web40209.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Is there an alternate location for the qrp-l archives? I'm getting a connection refused when I try to connect to ftp.lehigh.edu to look at the archive files.

Patrick
N3EO

Do you Yahoo!?
Yahoo! News - Today's headlines
<http://news.yahoo.com>

Date: Tue, 17 Sep 2002 09:24:33 -0400
From: Jim Eshleman <jce0@Lehigh.EDU>
To: pgardella@yahoo.com
Cc: qrp-l@Lehigh.EDU
Subject: [135251] Re: ftp.lehigh.edu - QRP-L Archives?
Message-ID: <3D872D11.1060002@Lehigh.EDU>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Try again. Someone was being a bit piggish downloading many files using many connections, and the server mistook that for a DOS attack and shut itself down for awhile.

73
Jim N3VXI

> Is there an alternate location for the qrp-l archives? I'm getting a connection refused when I
> try to connect to ftp.lehigh.edu to look at the archive files.
>
> Patrick
> N3EO
>
> -----
> Do you Yahoo!?
> Yahoo! News - Today's headlines
> <http://news.yahoo.com>

Date: Tue, 17 Sep 2002 07:24:48 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: <pgardella@yahoo.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [135252] Re: ftp.lehigh.edu - QRP-L Archives?
Message-ID: <02ab01c25e4d\$993279f0\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Patrick,

Try this:

<http://qrp.lehigh.edu/lists/qrp-l/archives.html>

73, Rod N0RC

----- Original Message -----
From: "Patrick Gardella" <pgardella@yahoo.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Tuesday, September 17, 2002 7:06 AM

Subject: ftp.lehigh.edu - QRP-L Archives?

> Is there an alternate location for the qrp-l archives? I'm getting a
connection refused when I
> try to connect to ftp.lehigh.edu to look at the archive files.

Date: Tue, 17 Sep 2002 09:31:09 -0400
From: "Hartwell, Martin E, ALINF" <mehartwell@att.com>
To: <qrp-l@lehigh.edu>
Subject: [135253] FT817 and price
Message-ID: <6579C6377F475547985F0B3E426E162632856A@OCCLUST01EVS1.ugd.att.com>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: quoted-printable

In a recent digest I saw a reference to the cost of the 817 vs 830S with =
the price of
a 817 listed at about 1000.00 with tuner, and all. I have the 817 bought =
new from the=20
local ham store, a power supply, tuner and buddy pole antenna, I don't =
have 1000.00 invested.

Just to point out something. I do agree the receiver in the 830 is =
excellent, and I do
agree that for the price an 830 is a fine rig to use for anyone. I don't =
know just how
low it will go in power output. But it would be had to put on a picnic =
table or on
top of a flat rock. Different animals, so comparing them is like the old =
addage, apples
and oranges. Or Caddys and Hondas.=20

Marty Hartwell
AT&T Columbus Ohio
PH:614-501-2503

Date: Tue, 17 Sep 2002 08:06:54 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>,
"cqc-1" <CQCLIST@yahoo.com>
Subject: [135254] UPDATED: the Rock-Mite file
Message-ID: <000b01c25e53\$7b626e20\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

More Rock-Pile entries (don't miss WB9LPU's 20m unit with built-in paddles), a major DX success in the operating section and Wayne's (NB6M) VX0 mod article.

73, Rod N0RC
the "Rock-Mite" files
<http://www.radioactivehams.com/~n0rc/rm/>
<http://www.qsl.net/n0rc/rm/> (mirror)

Date: Tue, 17 Sep 2002 08:12:02 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>,
<NB6M@aol.com>
Subject: [135255] Re: Rock-Mite VX0 Mods
Message-ID: <000f01c25e54\$3302a3b0\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks,

I posted Wayne's article in HTML format on my Rock-Mite files site. Very clever mod(s), check it out. You can also download the an MSWord Document (in zip format) version of the article.

Wondering how Wayne widened out the front end XTAL filter? He didn't see the article for details.... ;-)

73, Rod N0RC

----- Original Message -----

From: <NB6M@aol.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, September 16, 2002 2:06 PM
Subject: Rock-Mite VX0 Mods

> Hi All,
>
> Notwithstanding the fact that I haven't laid hands on a Rock-Mite yet,
I have
> been experimenting with changing the oscillator in the little rig to a
VX0
> with a substantial frequency range.
.....

Date: Tue, 17 Sep 2002 08:46:50 -0600
From: William R Colbert <w5xe@juno.com>
To: qrp-1@lehigh.edu
Subject: [135256] Re: eHam down?
Message-ID: <20020917.090312.-338123.0.w5xe@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I had posted yesterday, twice and it never seemed to make it to the list that I saw, that Eham was up and running, had been down since Thursday due to hacking problems. Still seems a bit slow at times but functional which they indicated some problems still affect the operation for a few more days.

73
Ray
"Politicians are like nappies. Both should be changed regularly -- and for the same reason"
"Scotsman - Scotsman's Diary 12/97"
Ray Colbert, W5XE, OOTC#3618, SOWP#1064M
SOC#78 ARCI-5784 NCT2R El Paso, (FAR WEST) TEXAS

Date: Tue, 17 Sep 2002 11:24:31 -0400
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [135257] RE: QST on news stands
Message-ID: <721D3436A7C2B344A301FD4A413C71A93D8EB8@kosh.ARRLHQ.ORG>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Hi, Alex,

I don't know, but if qst@arrl.org got a lot of email about the cover... =
:-)

73,=20
Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

> -----Original Message-----
> From: AI2Q Alex [mailto:ai2q@adelphia.net]
> Sent: Monday, September 16, 2002 8:55 PM
> To: Low Power Amateur Radio Discussion
> Subject: RE: QST on news stands
>=20
>=20
> Thanks for the info on QST Ed.
>=20
> Gosh, do you think the editors will now go back to better=20
> (more technical
> and ham-oriented) sell-lines (headlines) on the cover now=20
> that they don't
> have to appeal to rank novices perusing arrays of newsstand magazines?
>=20
> Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.
>=20
> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU=20
> [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
> Hare,Ed, W1RFI
> Sent: Monday, September 16, 2002 10:01 AM
> To: Low Power Amateur Radio Discussion
> Subject: RE: QST on news stands

>=20

>=20

> I did check and have learned that QST is no longer sold on the
> newstands.....

>=20

>=20

Date: Tue, 17 Sep 2002 11:24:52 EDT
From: NB6M@aol.com
To: nn1g@earthlink.net, QRP-L@Lehigh.EDU
Subject: [135258] Re: Rock-Mite VX0 Mods
Message-ID: <45.1d67a45c.2ab8a344@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Dave,

Thank you. As you will note in the article, I have replaced the crystal receiver input filter with tuned circuits, and the crystal is paralleled with the oscillator crystal in order to provide more tuning range.

I will be very interested to hear what results are had with the VX0 on the PC board, and will also be looking forward to hearing how the receiver input changes affected the receiver. Similar tuned input circuits have worked well enough in other simple receivers, so, hopefully, the change will work in this case.

Your introduction of the Rock-Mite into the QRP market has been a real "shot in the arm" for building and QRP operating. We all appreciate your work.

Best regards,

Wayne NB6M

Date: Tue, 17 Sep 2002 10:49:05 -0500 (CDT)
From: bob evinger <wd9eka@evinger.com>
To: "Hartwell, Martin E, ALINF" <mehartwell@att.com>
Cc: <qrp-l@lehigh.edu>
Subject: [135259] Re: FT817 and price
Message-ID: <Pine.LNX.4.33.0209171046570.7960-100000@aprs.evinger.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Yeah, I know, I wouldnt want to be caught dead driving one of those QRO caddys myself. (driving a 2000 honda insight, the gasoline equiv of qrp)
:)

bob

On Tue, 17 Sep 2002, Hartwell, Martin E, ALINF wrote:

> In a recent digest I saw a reference to the cost of the 817 vs 830S with the price of
> a 817 listed at about 1000.00 with tuner, and all. I have the 817 bought new from the
> local ham store, a power supply, tuner and buddy pole antenna, I don't have 1000.00 invested.
>
> Just to point out something. I do agree the receiver in the 830 is excellent, and I do
> agree that for the price an 830 is a fine rig to use for anyone. I don't know just how
> low it will go in power output. But it would be had to put on a picnic table or on
> top of a flat rock. Different animals, so comparing them is like the old addage, apples
> and oranges. Or Caddys and Hondas.
>
>
>
> Marty Hartwell
> AT&T Columbus Ohio
> PH:614-501-2503
>
>

--

Bob Evinger WD9EKA/AAR5MG(Army MARS operator)
If Guns Cause Crime, Then Matches Cause Arson.

Date: Tue, 17 Sep 2002 11:26:52 -0400
From: brewerj@squared.com
To: qrp-l@lehigh.edu
Subject: [135260] [135127] TS-830S radio
Message-ID: <0F7A3AD1A5.4891A199-ON85256C37.004A4BD3@CIS.SQUARED.COM>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

Having the TS830 will allow you to do both QRP and allow you to have a nominally powered rig when you want/need that functionality. Unless you have a second rig for when you want/need to go QRO, I'd stay away from the very fine 817 as my ONLY rig.

Having tubes in a radio just means that it's possible for you to actually FIX it if it breaks. This can not be said of the 817.

73 and good luck,
John wb5oau

>From: "Karl F. Larsen" <k5di@zianet.com>
>To: qrp-l@lehigh.edu
>Subject: [135127] TS-830S radio
>Message-ID: <Pine.LNX.4.44.0209152016270.3765-100000@bucket.dog>
>MIME-Version: 1.0
>Content-Type: TEXT/PLAIN; charset=US-ASCII

> This is a very poor radio for a QRP operator. It's very old
>technology and doesn't cover the new bands and has tubes in it. Save the
>450 bucks for a few months until it grows to 600 bucks and then by a
>Yaseu FT-817 which is brand new and covers ALL the bands and has general
>coverage and VHF/UHF and a lot more!

Date: Tue, 17 Sep 2002 15:55:49 GMT
From: rsstone@juno.com
To: QRP-L@lehigh.edu
Subject: [135261] WTB: Used EZ-Hang or Equivalent Device
Message-ID: <20020917.115604.529.176176@webmail6.nyc.unttd.com>

Hi - Does anyone have one of these sling shot devices that they would like to part with? Would also appreciate suggestions for similar, alternative products or an easy homebrew approach. Please respond direct. Thanks.

72,

Ron (KA3J)
Bethesda, MD

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<http://dl.www.juno.com/get/web/>.

Date: Tue, 17 Sep 2002 11:57:23 -0400

From: "W2WU" <w2wurjj@verizon.net>

To: <mehartwell@att.com>,

"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [135262] Re: FT817 and price

Message-ID: <001a01c25e63\$62be3100\$71c2fea9@w2wu>

MIME-Version: 1.0

Content-Type: text/plain;

charset="Windows-1252"

Content-Transfer-Encoding: 7bit

try the SGC line Its built better. - W2WU

----- Original Message -----

From: Hartwell, Martin E, ALINF <mehartwell@att.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Sent: 17 September, 2002 09:31

Subject: FT817 and price

> In a recent digest I saw a reference to the cost of the 817 vs 830S with
the price of

> a 817 listed at about 1000.00 with tuner, and all. I have the 817 bought
new from the

> local ham store, a power supply, tuner and buddy pole antenna, I don't
have 1000.00 invested.

>

> Just to point out something. I do agree the receiver in the 830 is
excellent, and I do

> agree that for the price an 830 is a fine rig to use for anyone. I don't
know just how

> low it will go in power output. But it would be had to put on a picnic
table or on

> top of a flat rock. Different animals, so comparing them is like the old
addage, apples

> and oranges. Or Caddys and Hondas.

>

>
>
> Marty Hartwell
> AT&T Columbus Ohio
> PH:614-501-2503
>

Date: Tue, 17 Sep 2002 12:06:19 -0400
From: "Fancher, Mark (GEAE)" <Mark.Fancher@ae.ge.com>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@lehigh.edu>
Subject: [135263] QRP Power
Message-ID: <F9351DA9F0F6D41187410090277B3EB307D307F5@ev008msxaege.ae.ge.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

Last night, heard 4Z4DX on 20m CW. He was 549 into KY. Tried to get his attention with 100W from my TS-940S to a sloping vee. After about 20 minutes of trying to piggyback a QSO, no luck.

Then along comes K0EVZ running 3w. Bags him the first time.

Mark, AA4MF

Date: Tue, 17 Sep 2002 12:44:24 -0400
From: Alex <kr1st@amsat.org>
To: rsstone@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [135264] Re: WTB: Used EZ-Hang or Equivalent Device
Message-ID: <3D875BE8.A5D98B4E@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Hi Ron,

I just built one this past Sunday from the following article:

<http://www.antennex.com/hws/ws0502/seall.html>

The store they refer to is Walmart. I got the slingshot there for \$6 I believe and the reel was about \$5. They are right about practicing....I

lost about 3 sinkers and about 50 feet of fishing line. :) One lesson I learned is that it's better to have a heavier sinker than a lighter one. If the sinker is too light then gravity may have a hard time getting the line back down for you.

Hope this helps.

73,
--Alex (KR1ST)

rsstone@juno.com wrote:

>
> Hi - Does anyone have one of these sling shot devices that they would like to
part with? Would also appreciate suggestions for similar, alternative products or
an easy homebrew approach. Please respond direct. Thanks.
>
> 72,
>
> Ron (KA3J)
> Bethesda, MD

Date: Tue, 17 Sep 2002 09:51:14 -0700
From: Scott Gregson <emtech@steadynet.com>
To: qrp-l@lehigh.edu
Subject: [135265] QRP+ owners ATTENTION - news about parts/etc
Message-ID: <3D875D82.3090107@steadynet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Hi folks, Emtech has taken possession of the QRP+ parts that Stan Yarema K7SY had proir to his passing away.

We will be making a determination as to how we are going to handle repair parts and help. I will be contacting the rig's designer and getting the low-down from him.

This URL <http://emtech.steadynet.com/qrpplus/bboard.mv> is for a web board dedicated to the QRP+.

For QRP+ related issues please use the following email address:

qrpplus@emtech.steadynet.com

I would not expect that we will be able to really help much right now, but we will try.

I will post again if there is anything new/useful concerning the QRP+.

~Scott Gregson

PS. My son Roy just passed his technician test on Saturday while I was picking up the QRP+ stuff. A friend of mine asked to take Roy to a local hamfest for the test. Roy had only worked on the 1st half of the code so he chose not to test for that yet. Anyway - Proud Dad here!

PPS. this other HAM's wife and my wife are best friends and are now talking about getting their Ham tickets too - I'm amazed at that.

Date: Tue, 17 Sep 2002 09:58:18 -0700
From: "Bill Jones" <kd7s@psnw.com>
To: <rsstone@juno.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [135266] Re: Used EZ-Hang or Equivalent Device
Message-ID: <000d01c25e6b\$6c67aa80\$9110010a@fresno>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I wrote an article for the Adventure Radio Society's on-line magazine, The Sojourner, describing a homebrew antenna launching device. It uses a slingshot/fishing reel combination and can be built at home with simple hand tools for about \$20. It can be seen at:

http://www.natworld.com/ars/pages/back_issues/1998_text/0698_text/hylaunch.html

=====
Bill Jones - <><
Sanger, California

=====
Would also appreciate suggestions for similar, alternative products or an easy homebrew approach. Please respond direct. Thanks.

Date: Tue, 17 Sep 2002 12:58:20 -0400

From: Alex <kr1st@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [135267] Putting up a EFHWA
Message-ID: <3D875F2C.BE8A14C@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Hi there,

I'm trying to put up a sloping EFHWA for my first outdoor antenna at my new QTH using this article as my guide:

<http://www.njqrp.org/n2cxantennas/halfer/index.html>

There is a picture of an inverted L configuration and it says to tie the wire to insulator 3 (the insulator nearest to the tuner). My question is, do you simply loop the antenna wire through the insulator or do you tie it with say a tie wrap?

Thanks and 73,
--Alex (KR1ST)

Date: Tue, 17 Sep 2002 10:01:17 -0700
From: "Chetan Bhargava" <wiz@bhargavaz.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [135268] [OT] Kenwood TM-201B help needed
Message-ID: <034001c25e6b\$dc4164e0\$2701a8c0@chetan>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi,

Is anyone on the list familiar with Kenwood TM-201B 2m mobile rig? I just bought it and it didn't come with the manual. I want to setup the PL tones for repeater operation.

73,

Chetan Bhargava
KG6NFG

Date: Tue, 17 Sep 2002 10:08:49 -0400
From: "Doug Hauff" <dhauff@digitalputty.com>
To: "Peter Strauss" <PStrauss@COMFORCE.COM>
Cc: <qrp-1@lehigh.edu>
Subject: [135269] Re: Porta-Paddle Base--Color
Message-ID: <001d01c25e54\$0506f100\$9a393442@dhauff>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Peter,

Bases are available in any color as long as it is White! White goes real well with the Blue, you are the first to suggest Black...if there is enough demand, I can do a batch of Black in the future, but for now my entire stock is powder coated White.

72, Doug KE6RIE

www.americanmorse.com

----- Original Message -----
From: "Peter Strauss" <PStrauss@COMFORCE.COM>
To: <dhauff@digitalputty.com>
Sent: Tuesday, September 17, 2002 12:23 PM
Subject: Porta-Paddle Base--Color

>
> Is the Porta-Paddle base available in black like the bases for most keyer
> paddles today? Although I could "live and work with" a white base, a black
> base better color coordinates with the other ham equipment in my shack.
>
> Please advise at your earliest convenience.
>
> Thank you
>
>
> Best Regards,
>
> Peter Strauss--W6PJM
> pstrauss@comforce.com

Date: Tue, 17 Sep 2002 10:17:54 -0700
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@lehigh.edu>
Subject: [135270] Re: Whooda thunk it...
Message-ID: <MABBJOEABOILMKCJCLFCMEJCDJAA.n6wg@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Chris

A while back someone else made the same discovery. He proposed building a little QRP rig with the parts. Then, in QSO, he could say, "The rig here is a muffin fan" :-)
73, Bob N6WG

Date: Tue, 17 Sep 2002 10:11:39 -0700
From: "Dennis W. Farrell" <dfarrell@ridgecrest.ca.us>
To: <qrp-1@lehigh.edu>
Subject: [135271] Re: Used EZ-Hang or Equivalent Device
Message-ID: <001301c25e6e\$56995ca0\$5bf69acc@mfpc>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

There's another article on this topic at
http://www.natworld.com/ars/pages/back_issues/2002_text/0302_text/launching.html

-- W6DWF

----- Original Message -----

From: Bill Jones <kd7s@psnw.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Tuesday, September 17, 2002 09:58
Subject: Re: Used EZ-Hang or Equivalent Device

> I wrote an article for the Adventure Radio Society's on-line magazine, The
> Sojourner, describing a homebrew antenna launching device. It uses a
> slingshot/fishing reel combination and can be built at home with simple
hand

> tools for about \$20. It can be seen at:
>
>
http://www.natworld.com/ars/pages/back_issues/1998_text/0698_text/hylaunch.h
> tml
> =====
> Bill Jones - <><
> Sanger, California
> =====
> Would also appreciate suggestions for similar, alternative products or an
> easy homebrew approach. Please respond direct. Thanks.
>

Date: Tue, 17 Sep 2002 13:30:20 -0400 (EDT)
From: Chris Cartwright <ccart@phideaux.com>
To: QRPL List <qrp-l@lehigh.edu>
Subject: [135272] Re: Whooda thunk it...
Message-ID: <Pine.LNX.4.33.0209171328450.12086-1000000@dns.phideaux.com.>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 17 Sep 2002, Bob Tellefsen wrote:

> A while back someone else made the same discovery. He proposed building
> a little QRP rig with the parts. Then, in QSO, he could say,
> "The rig here is a muffin fan" :-)

Add a hunk of galena, some toilet paper tubes and tinfoil and I think
we're on to something :)

-- Chris Cartwright, Unix Administrator | ccart@phideaux.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Oxford, PA 19363 FM29as --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Tue, 17 Sep 2002 10:28:28 -0700
From: Scott Gregson <emtech@steadynet.com>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [135273] Re: QRP+ owners ATTENTION - news about parts/etc
Message-ID: <3D87663C.3000403@steadynet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed

Content-Transfer-Encoding: 7bit

I just spoke with the designer of the QRP+, he said that we are free to do whatever we want to with the rig.

Scott Gregson wrote:

> Hi folks, Emtech has taken possession of the QRP+ parts that Stan
> Yarema K7SY had proir to his passing away.
>
> We will be making a determination as to how we are going to handle
> repair parts and help. I will be contacting the rig's designer and
> getting the low-down from him.
>
> This URL <http://emtech.steadynet.com/qrpplus/bboard.mv> is for a web
> board dedicated to the QRP+.
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> For QRP+ related issues please use the following email address:
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> qrpplus@emtech.steadynet.com
>
> I would not expect that we will be able to really help much right
> now, but we will try.
>
> I will post again if there is anything new/useful concerning the
> QRP+.
>
> ~Scott Gregson
>
> PS. My son Roy just passed his technician test on Saturday while I
> was picking up the QRP+ stuff. A friend of mine asked to take Roy to
> a local hamfest for the test. Roy had only worked on the 1st half of
> the code so he chose not to test for that yet. Anyway - Proud Dad
> here!
>
> PPS. this other HAM's wife and my wife are best friends and are now
> talking about getting their Ham tickets too - I'm amazed at that.
>
>
>

Date: Tue, 17 Sep 2002 13:54:50 -0400
From: "Ronald A Pfeiffer" <Ronald_A_Pfeiffer@raytheon.com>
To: qrp-l@lehigh.edu, neqrp@jonal.net
Subject: [135274] Tonight, Tuesday NEQRP SSB Net at 7:30PM EDST on 7.286Mhz +- 5Kh
Message-ID: <0F53477A94.92C3C834-0N85256C37.0062383F@and.us.ray.com>

MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

Last week was a noisefest. No one heard. Hope tonight is better. I remember that last year when the time changed back from EDT to EDT 40meters was lost to BC! Lets try to enjoy 40 while we have it.

Ron

Date: Tue, 17 Sep 2002 18:05:32 +0100
From: Chuck Adams <k7qo@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [135275] Rock Hunting --- Winter of '02 (or '03)
Message-ID: <5.1.0.14.0.20020917173330.009f4230@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

While growing up in Wink, TX, one of the first things that you learn at an early age is to take up one or more hobbies. One of those was rock hunting and at one time I had over a ton of banded agate for cutting into slabs with a diamond saw. And I got to put Wink on the map last week when I won a tournament in CA and put down the home town. :-) But that is another story for another place and time.

Well, once again it is about that time of the year when the weather cools down a great deal in most of the USofA and the northern hemisphere so we quit going to the golf course and to the beach (there are plenty of beaches in AZ ---- you just have a problem finding the shore line and water) and stay inside where it is warm unless you get the telescope out (yet another hobby).

So, starting in October every Wednesday night (Tue and Thur are usually the Fox Hunt nights) how about a Rock Hunt? All you guys with Rock-Mites on 40 meters and the other bands get on the air and try to catch other R-Ms. This is not a contest but a social gathering to work other rock users and try to set some type of goal to work states, countries, or what ever. Start as soon as you get off work and chow down and stay as late as possible so that those of us on the left coast can maybe, just maybe,

get RI and ME..... :-) And if you wake up in the middle of the night and can't go back to sleep immediately --- how about turning on the rig and calling CQ if the freq is clear. Some of us just might be up too.

Since the announcement of the Rock-Mite I have had a nagging feeling that some social issues are about to arise. Several have already announced 20 and 40 minute QSOs using their Rock-Mite on 40 meters and other bands. Please keep in mind that there will probably be over 1,000 Rock-Mites on 40 meters alone!! What this means is that 7.038-7.040MHz is a party line for those of us that have a Rock-Mite and would like to get on the air. If some one ties up the "line" for lengthy periods then a great number of QSOs will be lost each night that propagation is good. I'm not trying to start a thread here and I don't want some of the usual nay-sayers posting about this topic and you know who you are..... Just keep in mind that the range of frequencies above will and have become crowded compared to the rest of the band. Those that have \$55 should consider getting the SW-40+ instead of a Rock-Mite for this same reason..... IMHO. A VFO is a wonderful thing to have.

And I won't even get into the issue of the higher power guys and girls that have regular schedules with friends and relatives on or near 7.040MHz..... It is open season on the frequencies. And those of you with K1s, K2s, and other rigs remember the little people, please. How about 7.030MHz as in Europe for a watering hole? Not trying to move you but suggest a small change in frequency on the dial which a bunch of us can't afford right now.....

So for the Rock Hunt how about just an exchange (recommended and not required) of RST, Name, QTH, Power, and Antenna. What this will do after the winter season is give each individual some data points to determine how QRPP power levels and their antenna is working.

Those of us that grew up back in the crystal days when we were a novice can remember those days that were so frustrating trying to get on and not finding the crystal frequency clear --- especially for those of us dumb enough to pick multiples of 5KHz boundaries and find that a foreign BC station running 50KW or more on frequency on those cold winter nights....

I'm not saying that Wednesday is a preferential night for looking for Rock-Mites and operators we will call Rock-Hounds (after the fox hunt terminology). Maybe N0RC can start a list of Rock-Hounds on his R-M web page so that we can keep a list next to the rig and listen for those special calls in the wee hours of the night.

Please do not repeat this posting to the QRP-L list. We have enough of repeats

as it is. Thanks in Advance. And all I'm trying here is a suggestion that the current popular QRP rig is the Rock-Mite and that there will be a lot of rigs in a small range this winter. Kinda like a micro-fox-hunt in progress all winter long.....

Hopefully you aren't going to build the Rock-Mite, power it up and put it on the antenna and then put it on the shelf or in a drawer. That is a waste of resources. Get on the air and push away from the keyboard. Life is too short and I'm sure on your death bed you aren't going to say " I wish I'd spent more time on the computer".

FYI and Film at 11,

Chuck Adams, K7QO CP-60 k7qo@earthlink.net
<http://www.qsl.net/k7qo>

Moving to Arizona? --- Bring your own water, please.

Date: Tue, 17 Sep 2002 12:11:27 -0600
From: "Chad Nelson" <galahad@boisecenter.net>
To: <qrp-1@lehigh.edu>
Subject: [135276] OT Vacuum tube mother board
Message-ID: <006701c25e75\$c06bf3c0\$a801d2d1@galahad>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I know this is way off topic but I thought my learned brethren would be interested in this clash of old and new;
especially now that a lot of radio work goes through the pc.
<http://www.aopen.com/products/mb/ax4b-533tube.htm>

In an attempt to bring this post back in line I am doing a happy dance on passing my code test Saturday ;^)

Once again I would like to express my thanks to all of you and this

wonderful list, Due to my schedule I am
unable to give proper time to the local clubs and so consider you all my
personal Elmer's and look forward to
reading through your enlightening and often humorous posts every day...
73's

Chad Nelson KD7FDU
Boise Idaho U.S.A

Date: Tue, 17 Sep 2002 13:13:45 -0500
From: "Mark Andrews" <KE4IOF@ke4iof.com>
To: <emtech@steadynet.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [135277] Re: QRP+ owners ATTENTION - news about parts/etc
Message-ID: <016001c25e75\$f778aa20\$b16e640a@vitalworks.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

So does that mean that you can start production in a month or so? :-)

I think a lot of people would like to have a second crack at a QRP+! I know
I would!

Mark

Mark A. Andrews

----- Original Message -----
From: "Scott Gregson" <emtech@steadynet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Tuesday, September 17, 2002 12:28 PM
Subject: Re: QRP+ owners ATTENTION - news about parts/etc

> I just spoke with the designer of the QRP+, he said that we are free to
> do whatever we want to with the rig.
>
> Scott Gregson wrote:
> > Hi folks, Emtech has taken possession of the QRP+ parts that Stan
> > Yarema K7SY had prior to his passing away.
> >
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> > repair parts and help. I will be contacting the rig's designer and
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> >
> > This URL <http://emtech.steadynet.com/qrpplus/bboard.mv> is for a web
> > board dedicated to the QRP+.
> >
> > For QRP+ related issues please use the following email address:
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> > qrpplus@emtech.steadynet.com
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> > I would not expect that we will be able to really help much right
> > now, but we will try.
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> > I will post again if there is anything new/useful concerning the
> > QRP+.
> >
> > ~Scott Gregson
> >
> > PS. My son Roy just passed his technician test on Saturday while I
> > was picking up the QRP+ stuff. A friend of mine asked to take Roy to
> > a local hamfest for the test. Roy had only worked on the 1st half of
> > the code so he chose not to test for that yet. Anyway - Proud Dad
> > here!
> >
> > PPS. this other HAM's wife and my wife are best friends and are now
> > talking about getting their Ham tickets too - I'm amazed at that.
> >
> >
> >

Date: Tue, 17 Sep 2002 11:17:11 -0700
From: "Bill Jones" <kd7s@psnw.com>
To: <k7qo@earthlink.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [135278] Re: Rock Hunting --- Winter of '02 (or '03)
Message-ID: <[001501c25e76\\$7118ae70\\$9110010a@fresno](mailto:001501c25e76$7118ae70$9110010a@fresno)>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Chuck Adams" <k7qo@earthlink.net>
> Please keep in mind that there will probably be over 1,000 Rock-Mites on

> 40 meters alone!! What this means is that 7.038-7.040MHz is a party line
> for those of us that have a Rock-Mite and would like to get on the air

I don't know about you but first chance I get I'm going to cobble up one of Wayne's VXO circuits for my Rock Mite and scoot down the band just enough to clear the QRM.

Date: Tue, 17 Sep 2002 13:29:01 -0500
From: "Mark Andrews" <KE4IOF@ke4iof.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [135279] FS: Yaesu 757GX (I'm getting out of the QRO business!)
Message-ID: <017d01c25e78\$18fffd0e0\$b16e640a@vitalworks.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi All,

I'm getting out of the QRO business. I've been toying for months with the prospect of selling my beloved Yaesu 757GX and its companion 757HD power supply. If you want it, let me know.

Cosmetically, it is a 7+ (it was used mobile before I got it), However it is a 9+ in performance. This is the one that has AM,CW,USB,LSB and FM and has the variable IF Notch filter. It can be dialed down to less than 5 watts on the front panel. Works FB. Very compact.

If you are new to amateur radio and want a first time, full featured, solid state rig, this is the one to have.

Both pieces for \$425.00 + actual shipping. I won't split up the set, so please don't ask.

I would prefer those that can pay by PayPal, but will take Postal MO's if need be.

Mark

Mark A. Andrews

Date: Tue, 17 Sep 2002 13:44:58 -0500

From: Karl Kanalz <kkanalz@gcecis.com>
To: "'KE4IOF@ke4iof.com'" <KE4IOF@ke4iof.com>,
Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [135280] RE: Yaesu 757GX For Sale
Message-ID: <01C25E50.6E2F8D80@KKANALZ>

Now THAT, guys, is a bargain price for a really FB rig! There is lots of software out there (for free!) to control the '757 and its cousins (like the FT-890).

Having been "mobile" is no hinderance either.... I had an Icom 735 with over 100,000 miles on it and it's still going strong. My (current) FT890AT has about 84,000 miles on it without a problem. Well, it has scratches on the side panels from being inserted and "de-serted" from the mobile environment from time to time, but it doesn't detract from its performance in either CW or SSB.

Karl K - W8TIF
McKinney, Texas

-----Original Message-----

From: Mark Andrews [SMTP:KE4IOF@ke4iof.com]
Sent: Tuesday, September 17, 2002 1:29 PM
To: Low Power Amateur Radio Discussion
Subject: FS: Yaesu 757GX (I'm getting out of the QRO business!)

Hi All,

I'm getting out of the QRO business. I've been toying for months with the prospect of selling my beloved Yaesu 757GX and its companion 757HD power supply. If you want it, let me know.

Cosmetically, it is a 7+ (it was used mobile before I got it), However it is a 9+ in performance. This is the one that has AM,CW,USB,LSB and FM and has the variable IF Notch filter. It can be dialed down to less than 5 watts on the front panel. Works FB. Very compact.

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I would prefer those that can pay by PayPal, but will take Postal MO's if need be.

Mark

Date: Tue, 17 Sep 2002 14:57:31 -0400
From: JLeroy@automationdirect.com
To: qrp-1@lehigh.edu
Subject: [135281] Philmore VFO kit
Message-ID: <CA45D4785D15D411B3B20060971D957101454BE3@srv-mail01.automationdirect.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Has anyone found a mail order source for the Philmore VFO kit? I've tried all of the urls on their web site and none of them take orders over the web.
John W4JKL

Date: Tue, 17 Sep 2002 15:07:28 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [135282] Re: Used EZ-Hang or Equivalent Device
Message-ID: <3D877D70.42DD5A18@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

An EZ Hang equivalent can be easily made. Go to K-Mart or other large variety store and purchase a Wahamo slingshot and a fishing reel. The rest is really simple mechanics. The total cost should be about \$15.00!

I have been using a similar device to put up antenna for about 10 years! I have kept the slingshot and reel separate, but that was a personal decision!

72

Date: Tue, 17 Sep 2002 15:10:37 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: qrp-1@lehigh.edu
Subject: [135283] A thought
Message-ID: <3D877E2D.7C7B5BAE@erols.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Since making a few mistaken posts about the TS830, which I do apologize for, an interesting point has made itself evident. There seem to be a whole lot of you who actually have and use QRO equipment, including the TS830. Now, are you all closet QRPers or closet QROers?

73

Date: Tue, 17 Sep 2002 12:43:55 -0700
From: Steve Smith <sigcom@juno.com>
To: qrp-l@lehigh.edu
Subject: [135284] FS: Bird 8431
Message-ID: <20020917.124355.-507577.0.sigcom@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For you closet QRO guys ;): Bird model 8431 dry dummy load. Has a type 'N' female quick-change connector. Electrical condition is perfect. Physical condition I would say is "good" or 8 on a 1-10 scale. \$175.00 shipped ground. It's big and it's black. Rated at 500 Watts, it will work quite well as a QRP dummy load. Practically no temperature rise at 5 Watts! Heck, at that power level you could put your hand right on it without being burned and it would probably even serve to hold your QRP rig to the table during a earthquake :).

Please respond off list, thanks.

73.....Steve 'The Scrounger' Smith
WB6TNL Oxnard, CA USA
"Snort Rosin"

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<http://dl.www.juno.com/get/web/>.

Date: Tue, 17 Sep 2002 14:42:32 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>

To: "Leon Heller" <leon_heller@hotmail.com>, <qrp-1@lehigh.edu>
Subject: [135285] Magnetic shielding for ham vfo's
Message-ID: <004701c25e82\$70957e40\$4e100a0a@rohredt2000>

In a competition, I think there should be some standard enclosure.
Mu Metal is hard to fasten, and is usually brazed and is quite expensive and comes in two types depending on the shielding requirement.

For ham radio use such as a vfo, the steel can is easily soldered, offers adequate shielding if sufficiently larger than the circuit being protected, and will establish a heat sinking action, and a stable temperature environment.

I would suggest use of some standard tin coated steel can, such as the no. 2 (U.S. standard) or closest metric standard can, to allow the most flexibility for either toroid or air core coil use in a VFO competition, or a PTO arrangement. Collins PTOs were placed in a can for such stability.

There are a number of export food items widely available in the world in the no. 2 can which measures 2 7/8 in. diam., and 4 7/16 in. high. Any candidate container needs to be checked with a magnet to verify it is steel rather than aluminum or some other material.

72,
Stuart K5KVH
72,
Stuart K5KVH

Date: Tue, 17 Sep 2002 15:54:06 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-1@lehigh.edu
Subject: [135286] Re: Magnetic shielding for ham vfo's
Message-ID: <5.1.0.14.1.20020917155329.00a6c250@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 02:42 PM 9/17/2002 -0500, you wrote:

>I would suggest use of some standard tin coated steel can, such as the no. 2
>(U.S. standard) or closest metric standard can, to allow the most
>flexibility for either toroid or air core coil use in a VFO competition, or
>a PTO arrangement. Collins PTOs were placed in a can for such stability.
>
>There are a number of export food items widely available in the world in the
>no. 2 can which measures 2 7/8 in. diam., and 4 7/16 in. high. Any
>candidate container needs to be checked with a magnet to verify it is steel

>rather than aluminum or some other material.

How about a tuna tin?

Dave

I'd rather be thought ignorant than stupid. Ignorance is curable.

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Tue, 17 Sep 2002 14:52:47 -0500
From: "Frank Emens" <femens@hiwaay.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>,
w6toy@erols.com
Subject: [135287] Re: A thought
Message-ID: <3D8741BF.12114.B6B440@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

I find it difficult to see why either activity should be considered "in the closet." You use whatever gear and whatever power is appropriate for what you're doing.

If I go fishing for fun & relaxation I'll take the challenge of fly fishing with light tackle.
If I'm fishing to put meat on the table for hungry folks, I may use a net and, if really pressed and the game warden not watching, maybe even an old telephone ringer or a half stick of dynamite.

If I get on the air for fun & relaxation I'll do it with qrp gear. If I'm engaged in a public service activity, a traffic net or providing emergency communications, I'll use my 100W gear. If conditions get rough I may even crank up a KW.

It's all a matter of using what's appropriate for the activity you're engaged in.--

Frank Emens
femens@hiwaay.net

Date: Tue, 17 Sep 2002 14:53:33 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: "Rod N0RC" <rod@n0rc.us>, <qrp-1@lehigh.edu>
Subject: [135288] 602 Miixer and other information from Philips site
Message-ID: <004f01c25e83\$f0218310\$4e100a0a@rohredt2000>

Rod, thanks for the link to Philips and that they are back in production on the 602 mixer.

I notice that same site has other useful information such as discontinued and to be discontinued products, that we can consult to see if a certain favored part is nearing end of life. They even provide a "last Buy" deadline date.

In addition, that Philips site contains information on other discontinued semiconductors and products that Philips bought out from other manufacturers. I even see a listing for Lansdale Semiconductor, who were the first firm to pick up the manufacture of obsolete germanium transistors, and other obsoleted ICs to enable users to have a continuing source of replacements. I was not aware Philips had taken over Lansdale, which I think grew out of the old Sylvania Semiconductor operations.

Philips is a neat company, originally from the Netherlands, they have had a world wide presence, and of course, many original products such as the audio compact cassette, probably the most popular music format ever produced to date. They also have a strong presence in the electrical fields, and medical electronics.

73, Stuart K5KVH

Date: Tue, 17 Sep 2002 16:01:43 EDT
From: NA1XX@aol.com
To: qrp-1@lehigh.edu
Subject: [135289] FS: SGC239 Autotuner....Spoken For
Message-ID: <1a1.8cde5ea.2ab8e427@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

SGC 239 Autotuner has been spoken for.

Thanks for the bandwidth.

NA1XX

Mike Connelly

North Weymouth MA

QRP-L # 1588

"When All Else Fails ... CW."

Date: Tue, 17 Sep 2002 15:16:21 -0500

From: "Rob Matherly" <w0jrm@arrl.net>

To: <w6toy@erols.com>,

"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [135290] Re: A thought

Message-ID: <001301c25e87\$251f4f40\$c411a541@jimrob>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I'm a QRO'er who likes QRP stuff because of how simple it is to put together
:^)

72/73/oo

Rob, w0jrm

=====
Visit my website! <http://www.qsl.net/w0jrm>
=====

----- Original Message -----

From: Bruce Muscolino <w6toy@erols.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Sent: Tuesday, September 17, 2002 2:10 PM

Subject: A thought

Since making a few mistaken posts about the TS830, which I do apologize for, an interesting point has made itself evident. There seem to be a whole lot of you who actually have and use QRO equipment, including the TS830. Now, are you all closet QRPers or closet QROers?

73

Outgoing mail is certified Virus Free.

Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.386 / Virus Database: 218 - Release Date: 9/9/02

Date: Tue, 17 Sep 2002 16:43:17 -0400
From: "N8IE" <n8ie@woh.rr.com>
To: "QRP-1" <qrp-1@lehigh.edu>
Subject: [135291] RE: A thought
Message-ID: <MMEDLKDLONJOAIGICDJAOEFGDEAA.n8ie@woh.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

In my case, neither.

I like all aspects of the hobby, I just find QRP a bit more fun and a challenge.

My logs bear that out with 90% of my QSO's being QRP-CW.

But let China, Mongolia, or one of the other "rare" countries not hear me QRP, I fire up some watts.

It's all a matter of taste.

72, oo
Dan, N8IE
FPqrp #-6, QRP-1 #1404, FISTS #4985

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of
Bruce Muscolino
Sent: Tuesday, September 17, 2002 3:11 PM
To: Low Power Amateur Radio Discussion
Subject: A thought

Since making a few mistaken posts about the TS830, which I do apologize for, an interesting point has made itself evident. There seem to be a whole lot of you who actually have and use QRO equipment, including the TS830. Now, are you all closet QRPers or closet QROers?

73

Incoming mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).

Version: 6.0.389 / Virus Database: 220 - Release Date: 9/16/2002

Outgoing mail is certified Virus Free.

Checked by AVG anti-virus system (<http://www.grisoft.com>).

Version: 6.0.389 / Virus Database: 220 - Release Date: 9/16/2002

Date: Tue, 17 Sep 2002 16:42:45 -0400

From: "Bill, N4QA" <n4qa@hotmail.com>

To: qrp-1@lehigh.edu

Subject: [135292] Re: OT Vacuum tube mother board

Message-ID: <F26c1o8yfogkJXrRjbD00023fd1@hotmail.com>

Mime-Version: 1.0

Content-Type: text/plain; format=flowed

Cool! Looks like a 12AX7 preamp in there.

Guess the 6V6 driver and 6L6 final(s) had to be mounted in the monitor
someplace...

73.

Bill, N4QA

<http://www.qsl.net/n4qa/>

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<http://www.hotmail.com>

Date: Tue, 17 Sep 2002 21:52:57 +0100

From: "Leon Heller" <leon_heller@hotmail.com>

To: "Low Power" <qrp-1@lehigh.edu>

Subject: [135293] RA3AAE's mixer/doubler

Message-ID: <DAV38p2oByQsEtkWv2v000139f9@hotmail.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I first heard of Vladimir's mixer in 1977, and it has popped up occasionally in various mags. over the intervening years. George, G3RJV, has just written about it in the current issue of Practical Wireless, with details of a simple 40m receiver using the technique. With a few minutes Googling, I

found a much better implementation:
<http://www.qsl.net/ok1layu/projects/rx80.htm>

Since the oscillator runs at half the input frequency, it has the great advantage that minimal screening is required. Also, the oscillator will be more stable, at the lower frequency. The technique is getting popular at microwave frequencies.

Has anyone on the list used it?

73, Leon

--

Leon Heller, G1HSM
leon_heller@hotmail.com
http://www.geocities.com/leon_heller

Date: Tue, 17 Sep 2002 15:56:17 -0500
From: "Mark Andrews" <KE4IOF@ke4iof.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [135294] SOLD: Yaesu 757GX (I'm getting out of the QRO business!)
Message-ID: <00ba01c25e8c\$abb455f0\$b16e640a@vitalworks.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have a buyer for the 757GX. Thanks to those that inquired!.

Mark

Mark A. Andrews

----- Original Message -----
From: "Mark Andrews" <KE4IOF@KE4IOF.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Tuesday, September 17, 2002 1:29 PM
Subject: FS: Yaesu 757GX (I'm getting out of the QRO business!)

> Hi All,

>

> I'm getting out of the QRO business. I've been toying for months with the
> prospect of selling my beloved Yaesu 757GX and its companion 757HD power
> supply. If you want it, let me know.

Date: Tue, 17 Sep 2002 16:18:52 -0500
From: <mgoins@usa.net>
To: <w6toy@erols.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [135295] Re: [A thought]
Message-ID: <200209172124.g8HLNS30021038@rain.CC.Lehigh.EDU>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

One watt, ssb, cw, psk. When mobile, I run the full 5 watts, but at home =
I'm
at one.

mike
wb5yjx

Bruce Muscolino <w6toy@erols.com> wrote:
Since making a few mistaken posts about the TS830, which I do apologize
for, an interesting point has made itself evident. There seem to be a
whole lot of you who actually have and use QRO equipment, including the
TS830. Now, are you all closet QRPers or closet QROers?

73

Date: Tue, 17 Sep 2002 14:19:21 -0700
From: Charlie Panek <charlie_pane@agilent.com>
To: qrp-l@lehigh.edu
Subject: [135296] Re: Philmore VFO kit
Message-ID: <3D879C59.70507@agilent.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

W4JKL wrote:

>Has anyone found a mail order source for the Philmore VFO kit? I've tried
>all of the urls on their web site and none of them take orders over the web.
>John W4JKL

Ocean State Electronics has 'em listed under "New Products" on their

home page.

http://www.oselectronics.com/ose_p179.htm

It's been a few years since I've looked through their catalog:
Lots more interesting stuff than I remembered: Air variables,
antique radio parts, and more.

I may order one of the VFO kits to play with, in spite of what's been
said here. Since the part can divide it's oscillator by 10 or 100,
it may be usable as a <3.3 MHz LO in a superhet. I think some
attention must be paid to power supply regulation, and minimizing
C on the Set pin to get the best performance.

FWIW

Charlie
KX7L

Date: Tue, 17 Sep 2002 14:16:53 -0700
From: Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@lehigh.edu>
Subject: [135297] Re: Magnetic shielding for ham vfo's
Message-ID: <7FD24C15A06DD511BF9E00D0B73E9952047A85F7@az33exm05.corp.mot.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

The Altoids tins are steel. A VFO using varactor tuning and a toroid core would
fit quite
easily in the large one. With a bit a compacting, the Altoids mini-tin might work
as well.

- Dan Tayloe, N7VE; Phoenix, Az; Az ScQRPions

Date: Tue, 17 Sep 2002 17:27:08 -0400
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Cc: <Mark.Fancher@ae.ge.com>
Subject: [135298] Re: QRP Power
Message-ID: <005701c25e91\$187fe920\$010044c0@chartermi.net>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'm pretty sure they have MUCH bigger watts in North Dakota.

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "Fancher, Mark (GEAE)" <Mark.Fancher@ae.ge.com>
Subject: QRP Power

> Then along comes K0EVZ running 3w. Bags him the first time.

Date: Tue, 17 Sep 2002 17:48:48 -0400
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [135299] Re: A thought
Message-ID: <006701c25e94\$0e4a0d20\$010044c0@chartermi.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Frank Emens" <femens@hiwaay.net>
Subject: Re: A thought

> If I get on the air for fun & relaxation I'll do it with qrp
> gear. If I'm engaged in a public service activity, a traffic
> net or providing emergency communications, I'll ;use my 100W
> gear. If conditions get rough I may even crank up a KW.
>
> It's all a matter of using what's appropriate for the
> activity you're engaged in.--

Exactly! I actually bought my 706 in preference to a K2 and I'm glad I did. The K2 was another year or so before it actually shipped, and I had a bunch of fun in that year. Plus, the 706 is a lot more convenient in the mobile. It happens I really like Elecraft's stuff, but for me, at the time, the 706 was a better choice and I don't regret it. But most of the time I use my K1 and rarely crank it above 3 watts.

But I do check into an 80 meter traffic net frequently, and while I don't

happen to have a KW laying around, I will turn it up to 100 watts in the summer, 40 or 50 in the winter. The point is to get the traffic through.

Now I am putting together a lower power 80 meter station to be a little more battery friendly. 80 is not a QRP friendly band, but it is where the emergency traffic that doesn't go out on VHF ends up, so it's the band for emergencies. The QRO station isn't battery friendly (rice boxes rarely are), and the odds are up here on the tundra, if I need to pass traffic for real, the lights are likely to be out, so I am concerned about low input power. But it's an interesting tradeoff. Although you can communicate on 80 with just a few watts, you can't do it reliably. Doesn't seem to me appropriate to put someone's life, limb or property at risk because of some QRP jihad.

My lower power 80 meter station is likely to be around 30 or 40 watts. Whether that's enough to do it, I don't know. I do know that 5 will only do it under ideal circumstances, and 100 is more than adequate almost all the time.

But exactly as Frank says, it just depends...

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

Date: Tue, 17 Sep 2002 15:08:08 -0700
From: "Tracy Markham" <tracy@bytemark.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [135300] 'Capacigrad' frequency linear variable capacitors
Message-ID: <GNEOLGDJDPEALHJMKLCOEKMCLAA.tracy@bytemark.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

I found, some years ago, a variable capacitor that has odd shaped plates and is supposed to be 'frequency linear' in tuning, unlike the symmetrical variable caps that have a lot of frequency change at one end and a little at the other.

It is 'trade marked' on the backside with a graphical representation of the word 'Capacigrad.'

Thought I'd go looking for some more, and they're not to be found? Not on Google, not on AltaVista or Yahoo.

Is there some better key word than Capacigrad, frequency linear tuning capacitor, etc., to find these things? Anyone have a couple they wanna part with?

Thank you!
Tracy N4LGH

Date: Tue, 17 Sep 2002 17:15:40 -0500
From: "Doc Lindsey K0EVZ" <dock0evz@earthlink.net>
To: "qrp-l reflector" <qrp-l@lehigh.edu>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>
Subject: [135301] Who is sending large file to me?
Message-ID: <412002921722154061@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Gang:

Looks like someone is trying to send me a fairly large e-mail (a bit over 1 meg in size). It has been locking up my computer, so I set a filtre to bypass it during downloads. Anyway, would whoever is trying to send this file please contact me off-list, so we can work it all out? Thanks.

PS, Sorry for the BW.

73,
--Doc/K0EVZ

Date: Tue, 17 Sep 2002 17:25:31 -0500
From: "Jerry Ford" <benlightnd13@mchsi.com>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [135302] 10 turn 100 K pot
Message-ID: <003701c25e99\$22e47540\$6d74da0c@mchsi.com>

Hey folks:

I'm looking for a source for a 10 turn, 100K pot.
I know Mouser and Jameco have them but the package is a bit big for my needs. Thought I would check with the group for other ideas!!

Where are you buying your parts?

Thanks: Jerry N0JRN

Date: Tue, 17 Sep 2002 17:25:37 -0500
From: "George, W5YR" <w5yr@att.net>
To: tracy@bytemark.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [135303] Re: 'Capacigrad' frequency linear variable capacitors
Message-ID: <3D87ABE1.46266560@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Tracy, such variables go way back in time. I can recall when you could buy variables with plates cut for

 straight-line frequency

 " " wavelength

 " " capacity

Try those keywords in your search . . .

Actually back when AM "radios" used variable tuning caps, the plates were cut for more-or-less straight-line frequency to even out the dial calibration. Also, the outside plates on each rotor section were usually slotted so that the frequency variation could be manually tweaked at various points in the rotor travel.

73/72, George
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR - the Yellow Rose of Texas
In the 57th year and it just keeps getting better!

Tracy Markham wrote:

>
> Is there some better key word than Capacigrad, frequency linear tuning
> capacitor, etc., to find these things? Anyone have a couple they wanna part
> with?

Date: Tue, 17 Sep 2002 18:23:21 -0400
From: Rick McKee <kc8aon@juno.com>
To: qrp-l@lehigh.edu
Subject: [135304] E H Antennas
Message-ID: <20020917.182325.8998.6.kc8aon@juno.com>

Hey Gang,

Anyone on the list using E H antennas for QRP work ? How do the do ?
Do you build your own ? Got any hints and kinks for them ete etc ?

72/73 DE: [K] [C] [8] [A] [0] [N]
Rick McKee
Willow Wood, Ohio
QRP- do more with less !
QRP-L #2112, FPqrp #33, AR QRP #269

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Date: Tue, 17 Sep 2002 18:31:03 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <w0jrm@arrl.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [135305] Re: A thought
Message-ID: <00c701c25e99\$f93fa420\$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

From: "Rob Matherly" <w0jrm@arrl.net>

> I'm a QRO'er who likes QRP stuff because of how simple it is to put
together
> :^)
>
> 72/73/oo
> Rob, w0jrm

Hmm, my QRP stuff is my K2, not simple. My only HF QRO rig is a
Swan 500C. MUCH simpler. But it hasn't even been turned on since
1989 or so.

Right now, my K2 is my ONLY practical operating rig on HF.

Mike

Date: Tue, 17 Sep 2002 17:37:26 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: "Doug Hendricks" <ki6ds@dph.dpol.net>, <qrp-1@lehigh.edu>
Subject: [135306] Re: Magnetic shielding for ham vfo's
Message-ID: <00ca01c25e9a\$cc72b800\$4e100a0a@rohredt2000>

Doug,

No, my intent was not to pour any cold water on the VFO idea, but to reach a
stable temperature and magnetic environment in which the VFOs could be more
easily compared on a level playing field, when measured.

A Manhattan board can be built, wrapped in some insulating foam tape, and
slipped inside a can. DC leads and coax can be lead out a lid by grommited
holes. RTV or solder could seal the lid, if it had not been completely cut
off.

Another useful tin container with slip on lid is often used for imported
candy. This is similar to the old Red Clabber Girl (tm) Baking Powder cans,
(are they still around?) This has enough metal overlap to completely shield
the VFO.

We see those in import stores like World Market chain, or even Walgreens
Drug Stores. Even the lowly Altoids tins would be a useful standard
enclosure for testing.

Most definitely if you want the most stable VFO, then enclose it in a
temperature stable environment, be it metal or styrofoam lined. I just
thought of the universal tin can as an easy world standard enclosure which
takes care of both a temperature oven- like housing, and is bullet proof for
any stray 60 Hz or note magnets lurking on the test bench.

In place of decoupling feedthru caps which are hard to find at vendors today, one could use disk ceramics near where the leads exit the enclosure, and if necessary ferrite beads for further isolation.

One could even make the circuit up Manhattan style, then solder up circuit board sides to form a standard box. For magnetic shielding, then some steel shim stock from hardware sources would be easily added, or steel foil from model airplane hobby shop. Or, if one were to simply state in test method that the Manhattan VFO is tested one foot away from other radios, instruments, or desk lamps, it probably would be sufficient.

Another mechanical stabilizing effort applied to higher frequency VFOs is the use of either insulating foam or wax to encapsulate the VFO slug tuned coils, or toroids, and associated components. This is also a thermally stabilizing effort.

But, if one were to state that measurement was made in still air at 72 degree F or some easy to reach temperature like that, one might relax the enclosure idea. However, if the VFO was to be characterized over the typical To The Field, Freeze Your Buns Off, or (Texas) Field Day conditions, then means to insulate the VFO from variable temperature states is useful.

I would think the best VFO is one that will operate outdoors as stable as it does indoors over some range hams encounter in portable uses. I know the upper end--100 plus F! :-) Last summer, we had a Field Day tuner that got out of tune in use on one frequency. We discovered that over Sat. afternoon, the sun had lowered in the sky past the tarp shade, until it was shining on the black copper cover of the tuner box. That had been enough temperature rise to shift the inductance of the ceramic coil form inside, and require retuning. Probably shifted the output a watt!

Most of us with DC receivers, or non digital analog displays, are not too worried as long as the rig is in the band. Operating VXO oscillators or narrow VFOs we can be pretty happy with the open circuit stability. But, if the VFO is to cover a 500 kHz band, that might mean a less stable LC tuning is used.

Now toroids are less affected than air core coils, but thermal considerations affect the other components as well, especially in the case of variable caps such as many popular tunable VFO kit rigs. The varicap rigs can benefit from stable temperature environment too.

A partial answer to the shielding question for the modern VFO is to look at the interior photos of the new Ten Tec top end rig. It has a chassis of mainly sockets for shielded modular boards. With microprocessors in even basic rigs such as the new Small Wonders, keeping their square waves from modulating your VFO is also a concern. Using a modularized VFO can head off many headaches for the fledgling VFO builder. Very experienced builders may

be able to lay out an open board that is of good stability, but putting it in a box is not too hard, and prevents oversight of issues such as coupling to microprocessors elsewhere in a rig circuit. It certainly creates a thermal barrier that keeps a VFO taken outdoors in cold weather from immediately drifting from the effects of the cold, (or heat). Combined with insulation, you can achieve the advantages of an ovenized oscillator without the complication or expense of heat stabilizing components. The smaller a rig is made, the more benefit from constructing critical circuits as shielded modules.

What do most consider an acceptable drift factor on warm-up from a cold start for a solid state VFO?

72, Stuart K5KVH

Date: Tue, 17 Sep 2002 17:46:18 -0500
From: "Jerry Ford" <benlightnd13@mchsi.com>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [135307] Fw: 10 turn 100 K pot
Message-ID: <006d01c25e9c\$0a2e22a0\$6d74da0c@mchsi.com>

Dave: Mouser and Jameco sell these and they are just over 3/4 inch in diameter and just under 3/4 inch deep. I want to put this pot in the SW20+ I'm building and something that size is going to be real close to U4.

I just wanted to check and see if anyone offered a pot that was physically smaller. I would like to stay as far away from the audio amp as I can.

The enclosure I'm using has plenty of room for the rig but doesn't leave much room for tinkering.

So, all you guru's, is there a smaller 10 turn pot available out there?

Thanks: Jerry NOJRN
----- Original Message -----
From: "David J Adams" <david@theadamsclan.com>
To: <benlightnd13@mchsi.com>
Sent: Tuesday, September 17, 2002 5:34 PM
Subject: Re: 10 turn 100 K pot

> What size are you looking for?
>
> dave

>
> Jerry Ford wrote:
>
> >Hey folks:
> >
> >I'm looking for a source for a 10 turn, 100K pot.
> >I know Mouser and Jameco have them but the package is a bit big for
my
> >needs. Thought I would check with the group for other ideas!!
> >
> >Where are you buying your parts?
> >
> >Thanks: Jerry N0JRN
> >
> >
> >
> >
> >
> >
>
>
>

Date: Tue, 17 Sep 2002 16:43:15 -0600
From: William R Colbert <w5xe@juno.com>
To: w6toy@erols.com, qrp-l@lehigh.edu
Subject: [135308] Re: A thought
Message-ID: <20020917.164317.-338123.4.w5xe@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I think Bruce, it is in having capability. Whether it is used or not, it is nice to have the qro capability just in case. This morning I was on the low end of 20, qrp ready and VU2LB coming thru - qrp was not making it, and my 50 watts not either, but try I did. As I maintain frequent qso's with a friend rv'ing around, we frequently work qrp but on occasion each has to go qro 30-50 watts to maintain the qso. That isn't cheating on the qrp game, in my opinion. Where qrp is really important is doing the contests, QRPP distance attempts, or the qrp mpw and other awards, then the big rig is either cranked down or the strictly qrp rig is operated, with WM-2 measuring. From what I have read, others do the same or similar operations, and I have advised new hams that the

first hf rig should be a nice, well filtered (selective) qro
transceiver or transmitter that can be cranked to qrp levels.
And if they don't care for qrp, no additional expense is required
to continue the hobby.

I don't remember your passing any adverse advice on the TS830
question.

73

Ray

"Politicians are like nappies. Both should be
changed regularly -- and for the same reason"

"Scotsman - Scotsman's Diary 12/97"

Ray Colbert, W5XE, 00TC#3618, SOWP#1064M

SOC#78 ARCI-5784 NCT2R El Paso, (FAR WEST) TEXAS

Date: Tue, 17 Sep 2002 18:45:31 -0400

From: "W2WU" <w2wurjj@verizon.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [135309] Fw: Space-Weather-Outlook

Message-ID: <001d01c25e9b\$fabfa280\$71c2fea9@w2wu>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

FYI Good Day & DX 73, Ron W2WU

----- Original Message -----

From: Space Environment Center <sec@sec.noaa.gov>

To: <advisory-list-send@dawn.sec.noaa.gov>

Sent: 17 September, 2002 15:20

Subject: Space-Weather-Outlook

> Official Space Weather Advisory issued by NOAA Space Environment Center
> Boulder, Colorado, USA

>

> SPACE WEATHER ADVISORY OUTLOOK #02- 38

> 2002 September 17 at 01:12 p.m. MDT (2002 September 17 1912 UTC)

>

> **** SPACE WEATHER OUTLOOK ****

>

> Summary For September 9-15

> Space weather reached moderate levels. The geomagnetic field

> surrounding Earth reached a category G2 (moderate) storm on September

> 11th due to high speed solar wind interacting with the magnetic field.

> Category R1 (minor) radio blackouts occurred on September 9th - 11th

> and again on September 15th due to energetic solar flares from a very
> active sunspot region, known to NOAA Space Environment Forecasters as
> Sunspot Region 105. For a list of adverse system effects related to
> space weather storms, please refer to the NOAA Space Weather Scales.
>
> Outlook For September 18-24
> Space weather is expected to reach minor levels. Category R1 (minor)
> radio blackouts are possible. There is a slight chance of a category
> R2 (moderate) radio blackout occurring early in the week.
>
> Data used to provide space weather services are contributed by NOAA,
> USAF, NASA, NSF, USGS, the International Space Environment Services
> and other observatories, universities, and institutions. For more
> information, including email services, see SEC's Space Weather
> Advisories Web site <http://sec.noaa.gov/advisories> or (303) 497-5127.
> The NOAA Public Affairs contact is Barbara McGehan at
> Barbara.McGehan@noaa.gov or (303) 497-6288.

Date: Tue, 17 Sep 2002 18:55:14 -0400
From: Dave Richards <wr3i@earthlink.net>
To: kr1st@amsat.org,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [135310] Re: Putting up a EFHWA
Message-ID: <5.1.1.6.2.20020917185215.009e70c0@earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Alex,

It depends what wire you are using for instance if you have a
stiff wire like single strand 14 gage then all you have to do is feed
through insulator and twist on it self other than being secure its not
critical at hf frequencies

Dave

WR3I

At 12:58 PM 9/17/2002 -0400, Alex wrote:

>Hi there,

>

>I'm trying to put up a sloping EFHWA for my first outdoor antenna at my
>new QTH using this article as my guide:

>

><http://www.njqrp.org/n2cxantennas/halfer/index.html>

>

>There is a picture of an inverted L configuration and it says to tie the

>wire to insulator 3 (the insulator nearest to the tuner). My question
>is, do you simply loop the antenna wire through the insulator or do you
>tie it with say a tie wrap?
>
>Thanks and 73,
>--Alex (KR1ST)

End of QRP-L Digest 2681

